

FINANCIALTIMES

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NEWS SUMMARY

BUSINESS

No. 27,373

Skyjack Industry cautiously optimistic leaves Dacca

EREENT signs of an improvement in the economic situation bare helped to sustain business confidence. according to the latest Financial Times business confidence, according to the latest Financial Times business confidence, according to the latest Financial Times business opinion survey. However, the latest Financial Times business obsciness of the latest Financial Times business obsciness of the latest Financial Times business obsciness of the latest Financial Times business obsciness. Labour Party conference.

The conference probably the evenly divided, particularly on that could, dominate the week, latest Financial Times business of the Government's bandling of the latest on the Government is business of the man economy.

The charactery business forcast for the record level of the conference reports of the main area of uncertainty is over the main read of uncertainty is over the main read of uncertainty is over the main read of uncertainty is over the main read

hostages for the ransom money and six prisoners released from

Tanks full

enabling it to fly non-stop for nine hours. Lebanon would be

21.13 Dacca time (15.13 GMT). year ago. Back Page later flew over Calculta and gave its flight path as including Bombay and Dubat. Page 5

Rome strike call

lialy's trade union federation Page has called a general strike in Rome to-day to protest at the u.s. ADMINISTRATION is street killing of a Left-wing considering temporary quotas to considering temporary quotas to restrict imports of steel from Europe and Japan in response to protectionist demands. For militant by neo-Fascists which sparked off violent demonstrations in several major cities-

Export spur

Mr. J. Hugh Neill, chairman of James Neill, the Sheffield-based bandtool group, has promised to give his white Silver Shadow Rolls-Royce to the selling agent who achieves the biggest export order, worth at least £1.5m, next

£1bn. in tax

Beigrade taiks

Delegates from 35 nations are meeting to review the 1975 Helsinkl Agreement on security and co-operation in Europe, which opens to-morrow. The talks are 7; Tax cuts forecast, Page 6 expected to last until December and may stretch on to February.

Lester's triomphe

Briefly ...

Mr. Jack Lynch, the Irish Prime Act in force Minister. and Mr. Roy Mason.
Ulster Secretary, attended the ordination of Mgr. Tomas during the week-end. Public comof Mgr. Tomas Primate of All Ireland at St. Patrick's Cathedral,

Tate Gallery public appeal for ends and private companies £140.000 to buy two paintings by within 10 months. Company George Stubbs, the 18th-century news, page 30

FEATURES Medical insurance for Piggy-bank space spectacular small groups, BA's and the lure of ivory towers FT SURVEY inderstanding employee 11 Office equipment 13-28 reports

ON OTHER PAGES

For latest Share Index phasic 01-246 8026

inti. Company News Labour News ... , Leading Articles ... is moreons (is moreons) is moreons (is moreons). The control of th

29 Weather
40 World Trade
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13:34 and Surply
2 F. S Ractiffe Inds.
2 Wiggins Construct

New Companies

panies will now have to produce

accounts no later than seven months after their financial year Healey's intention to limit reflation upsets the Left

On outlook Confirmation by Mr. Denis Healey, Chancellor of the Exchequer, yesterday over the reform of industrial relations demanded by the Government as a condition of con-• RECENT signs of an improvemake a more accurate judgment of the progress of wage settlements, is
ment in the economic situation to lead to fierce trade union and Left-wing protests at this week's
timed State finance.

Shop stewards representing protests at this week's
to deliver a coording to the Labour Party conference.

The CBI is also cautiously be limited in scope. "Slow and optimistic about the trend of steady is the answer," he de-

Japanese jails and flown to Dacca wage talks during recent weeks although its overall view of the Lines DC-8.

Upper or completely.

Clared.

Upper or completely.

The Chancellor's attitude out completely.

Eleven voted improvement in the state of the country's coun tempered by gloomy prospects improvement in the state of the for overseas trade. Back Page economy since last year's bit-Ine jet's fuel tanks were full. PRE-TAX profits of the 141 terly divisive party conference, Mr. Healey will be at odds with ine hours. Lebanon would be full reports and accounts during ell inside its range.

The aircraft, which took off at up on comparable figures for one 1.13 Dacca time (15.13 GMT), year ago. Back Page 1.15 Dacca time (15.13 GMT).

SUK. OFFICIAL reserves are expected to show another sub-stantial rise following the con-burned stantial rise follows and the con-burned stantial rise follows and the con-burned stantial rise following the con-burned stantial rise follows and the con-burned stantial rise follows are stantial rise follows and the con-burned stantial rise follows are stantial rise follows and the con-burned stantial rise follows are stantial rise follows and the con-burned stantial rise follows are stantial rise follows and the con-burned stantial rise follows are stantial rise follows and the con-burned stantial rise follows are stantial ri

and demanding the implementation of Clause 4 on wholesale Eleven voted to oppose it out-13 who asked only for remittance

Jones attacks life-styles

of some Labour leaders

expected to show another substantial rise following the continuing strength of the pound
during the past month.

Back

Clearly not on.

Apart from nun-scale decades with Mr. Stran walden on 17vs of stewards have refused.

In a three-hour pre-conference on the economy and the ComWeckend World, stressed that
meeting of the NEC in Brighton, mon Market, and the Prime any moves this year towards
meeting of the NEC in Brighton, mon Market, and the Prime any moves this year towards
it was clear that the balance Minister's address to-morrow, it reflation will be within the existbetween Left and Right are very is, unusually the private sessions

Continued on Back Page

On the economy and the ComMr. Harry Urwin,
workers' deputy
secretary and a members.

concerted campaign by the Leftwing over several years, is that
the executive will return to the
conference next year with firm
proposals to implement automatic re-selection. It was carried

— like the toolmakers — and Jerusalem yesterday in place in
minor consolation where as a genbeen in hospital since Friday eral shift towards mounting
suffering from exhaustion.

Mr. Menahem Begin, who has
against what Israel sees as a genbeen in hospital since Friday eral shift towards mounting
suffering from exhaustion.

Mr. Ehrlich suggested that Palestinian position as a whole,
matic re-selection. It was carried

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matic re-selection. It was carried

and union heading for clash

By Arthur Smith and Christian Tyler

LEYLAND CARS is on a collision course with the Transport and General Workers Union

wing MP for Tower Hamlets. this as the way to open up Minister, who presided over the Liberation Organisation is not The proposal, which follows a differentials between skilled men weekly Cabinet meeting in mentioned is taken as only a concerted campaign by the Left—— like the toolmakers — and Jerusalem vesterday in place of minor consolation when set

proposals to implement automatic re-selection. It was carried
in the NEC by 15-13. Mr. Healey will be at odds with to the NEC.

So the indications are that Mr.

Healey will be at odds with the mood of many delegates when he speaks in to-day's economic debate.

Many trade union leaders and left-wingers are demanding a of the usual five—will face forence for a further three years in language of party wilds.

In the NEC by 15—13.

The chances are that it will answer to the company's crisis, and not the plan for company-wide bargaining. He and other Town in the plan for company with the company was formed to the NEC. The issue formed to the will face forence for a further three years in language to so that the company was in the NEC by 15—13.

The chances are that it will answer to the company's crisis, and not the plan for company wide bargaining. He and other formed to the necessary will face for a further three years in the company was in the necessary to the company with the plan for company with

> Mr. Harry Urwin, transport Israeli relations. secretary and a member of the every aspect of the joint U.S. group, described it, with some National Enterprise Board Soviet statement. The first can recorvations, as "interesting." Leyland's principal shareholder eero, highlighted in Israeli news. In Cairo, the semi-official has accused the company of papers, was the reference to the Press said the statement representation to buildoze through its "withdrawal of Israeli, armed sented a shift in Soviet pality."

> He said vesterday that certain in the 1967, condict."
>
> In the interests of not being earnembers of the Levland Board were desperate and wanted to get their industrial relations reforms through at all costs.
>
> The company had tried in the 1967, condict."
>
> In the interests of not being earned from condenses and the before "occupied territories." SALT talks, Nevertheless it is taken as nearly that the pholitical in the 1967, to force the abolition of the word "the to preserve defente and the before "occupied territories." SALT talks, Nevertheless it is taken as nearly that the pholitical interests of the preserve defente and the period to the company had tried in the 1967, condict."
>
> In the interests of not being earned from chief from chief

Leyland | Israel set for collision with Carter

ernment rejected the statement, of negotiations—and they in Washington, the "Jewish deplored too, the absence of lobby" has already reacted any reference to the conclusion

Callaghan and other moderates, the principle of automatic reselection was accepted, although not immediately.

The resolution will be put to the private session next Thursday by Mr. Ian Mikardo. Leftwing MP for Tower Hamlets.

The way to open up Minister, who presided over the representatives of all the conflict.

December 1977."

Israel's reaction has been Palestinan people."

Consolation

The dect that the Palestine this as the way to open up Minister, who presided over the representatives of all the representation because of the representation because the representation because of the representation because

suffering from exhaustion.

Mr. Ehrlich 'suggested that Palestinian position as a whole Israel might have to adopt a state of emergency to resist the pressures of "the two powers tions closest to the conflict have (which) are exhibiting real signs of forcing an imposed solution we won't accept an welcomed the reintroduction of the Source role and the first The Government might renew

to deal with the crisis in U.S.

VIOLENT collision with the whole of the Gaza Sirip and the A VIOLENT collision with the whole of the Lazz Supprendiction on the West Bank from which he Begin scale Israel has long been con has refused withdrawal cerued to avoid now seems The second concern is that a almost inevitable after vester comprehensive solution may be day's joint U.S. Soviet statement imposed by the U.S. and the on the Middle East, recognising Soviet Union, Israelis noted that the legitimate rights of the professional statement in the legitimate rights of the configurations and the ITM. In Jerusalem, the Israeli Gov- generally accepted cornerstones

second rebuff to the company's lobby. has already reacted any reference to the company proposed package of reforms powerfully and angrily.

Talks between the company, and reference to the company, but a company, and meaning the company, and meaning the company, and meaning the company of the transport workers, and Mr. Hugh Scanlon, president leaves in the Middle legitimate rights of the Palestinian than the company, where previously the company where previously the company.

The statement outlines the the U.S. had gove no further that conditions for the reconvening referring to "interests;" and it the Geneva peace conference, of the "participation (at Geneva) to

which the two superpowers are the representatives of all

its call for a coalition of all

Israeli criticisms cover almost roposals. forces from territories occupied mwards the U.S. but mainly the and verterday that certain in the 1967 condict."

the Soviet role and the fir

" legitimate. Palestinians.

relief 'may

De possible'

GOVERNMENT could give an extra Elbo. of tax relief through extra Elbo. of tax relief through extra Elbo. of tax relief through it fiestly of some Labour Party politicians was made yesterday for the Transport and personal tax allowance in the Estyle of some Labour Party conference opening of the Transport and personal tax allowance in the Estyle of some Labour Party politicians was made yesterday for the Transport and provided the more active part in its demonstration of piecework down the throats of piecework and a piecework and piecework and piecework and piecework piecework and piecework and piecework and piecework and piecework piecework and piecework and piecework and piecework and piec

The Irish-trained colt Alleged. Indeed by Lester Piggott, won the Prix de l'Arc de Triomphe, worth £150.000 at Lougehand. Indeed by Rom Hurchmson, page 33 **OURNALISTS** from Fleet He would name no names but asked if his attack would include, asked if his attack would name no names but astack would asked if his attack would name no names but astack would Doubts cast on usefulness of Kaunda-Smith meeting

BY OUR FOREIGN STAFF

ranging."
A Zambian spokesman said the meeting expectation that Mr. Smith would spokesman said the meeting expectation that all banks and acknowledged produced nothing of great sign come forward with proposals for that international and military nificance," and said Zambia an accelerated transition to attached no great importance to majority rule and, by implication that he was prepared an extent that he was prepared. it. Diplomats in Lusaka went tion, his own surrender of power. to ask Dr. Kaunda for advice on out of their way to say that Zambian officials said yester the mechanisms of handing over little had emerged from the day that Mr. Smith had been "as power without damaging white little had emerged from the day that Mr. Smith had been as power without camazing which one diplomat instransizent as ever."

described as a "digression" Mr. Smith, they said, had from the mainstream of the raised objections to the proving the pr Secretary said in a codio inter-

artist, has brought in £40,000 so

far.

STOCK MARKET is planning
five tons of hashish, worth about
to establish a "think tank" of
£4m. has been seized by police
from a Panamanian trawler at
Ijmuiden, Holland.

Jamaican-born PC Richard

Jamaican-born PC Richard

Hamilton, injured when his car
hit a wall in Ralbam as he want

Zambian leader, and said that year period to Dubai's new the discussions had been about year period to Dubai's new the discussions had been about point leader of Rhodesia's consider returning to Salisbury for talks with other nationalist patriotic Front guerilla alliance, the Anglo-American proposals for a Rhodesian settlement leader about a meeting, and then the Rhodesian Sources described the discussions as "cordial and wide" and Mr. Smith.

Dr. Kannda and Mr. Joshua Nkomo, on the Western "front" and to point leader of Rhodesia's consider returning to Salisbury for talks with other nationalist leaders, the Rhodesian Sources first approached the Zambian the Rhodesian Sources described the discussions as "cordial and wide" to believe the Rhodesian Sources described the discussions as "cordial and wide" to believe the Rhodesian Sources described the discussions as "cordial and wide" to believe the Rhodesian Sources described the discussions as "cordial and wide" to believe the Rhodesian Sources described the discussions as "cordial and wide" to believe the Rhodesian Sources described the discussions as "cordial and wide" to believe the Rhodesian Sources described the discussions as "cordial and wide" to believe the Rhodesian Sources described the discussions as "cordial and wide" the Bulliance, the Rhodesian Sources described the Rhodesian Sources descr Government agreed to the meeting in the

Indeed it is understood that plan for a British Resident Com-neither Britain nor the U.S. was missioner in Rhodesia with total ambark on bilateral discussions. neither Britain nor the U.S. was missioner in Rhodesia with total informed about the discussions executive power during a transion of the settlement process, a until they had taken place. It is tional period. He had also move, the Zambians said, informed the other four African ment of his Army and to aspects informed the other four African ment of his Army and to aspects the Anglo-American package. "front-line" States about the of the Bill of Rights that pro meeting only after it was over. vides some guarantee of white D: David Owen, the Foreign property and civil rights. In Salisbury it was thought made it clear he was sticking to new yesterday that he had been likely last night that Mr. Smith

STRONG DOUBTS were ex-surprised by the meeting, which had gone to Lusaka to seek Dr. pressed last night whether sig. he described as a "very interest-Kaunda's support for a strategy nificant progress in the search ing development" and "a good to split the Patriotic Front, an umbrella for Mr. Nomo's umbrella for Mr. Nomo's ZAPII movement and Mr. Robert

Jamaican-born PC Richard
Hamilton, injured when his car
thit a wall in Ralham as he went
'lio answer a bogus 999 call, died

ALCOA of Australia has for six hours' talks with the Kaunda and Mr. Joshua Nkomo.

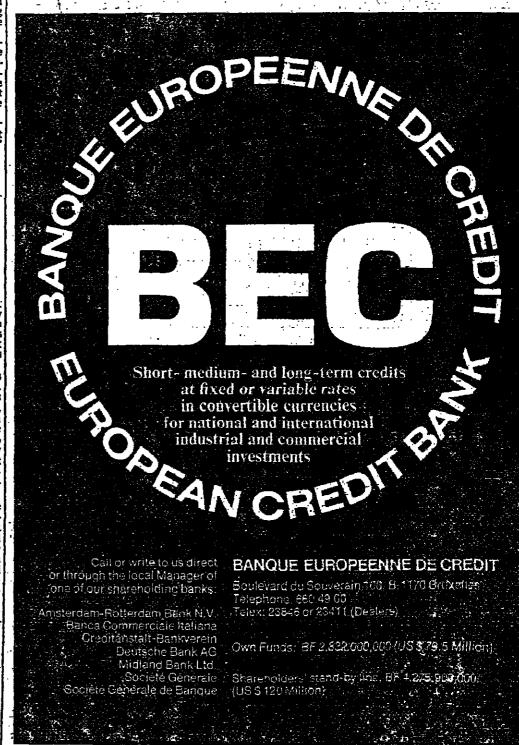
Zambia, to consider a cease-fire for six hours' talks with the Kaunda and Mr. Joshua Nkomo.

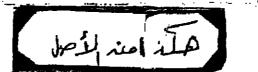
Zambia, to consider a cease-fire who is a friend of both Dr. Zambia, to consider a cease-fire for six hours' talks with the Kaunda and Mr. Joshua Nkomo.

Zambia to Salisbury for talks with other nationalist.

situation, according to Presidential officials in Lusaka, was that Mr. Smith had acknowledged The officials in Lusaka were

Continued on Back Page





How to count Japan's GNP

BY CHARLES SMITH

obstinately refusing to move out difference is that Japan's import of the longest recession it has prices between 1973 and 1977 examined Mr. Tony Greig about to do, by way of solace to the to the work the agents had not prices so more allowance has to the benefits that professional estate agents who had lost already done." The payment by most businessmen and almost prices so more allowance has to anyone else who is concerned be made for inflation in calculational with what is happening on the ingreal values.

The consequence of the Economic Planning Agency's difference is that Japan's import sexamined Mr. Tony Greig about to do, by way of solace to the to the work the agents who had lost already done." The payment by the benefits that professional estate agents who had lost already done." The payment by cricketers receive from their heir lucrative fee, was to offer the third party did not make the county supporters after a nex gratia payment of £1,250. £2,500 any the less "earned." number of years' faithful service on the cricket field.

Economic Planning Agency's difference is that Japan's import to do, by way of solace to the to the work the agents who had lost already done." The payment by the benefits that professional estate agents who had lost already done." The payment by the benefits that professional estate agents who had lost already done." The payment by the benefits that professional estate agents who had lost already done." The payment of £1,250. £2,500 any the less "earned." number of years' faithful service on the cricket field.

Economic Planning Agency's difference is that Japan's import to do, by way of solace to the to the other heart to the country supporters after a next gratial payment of £1,250. £2,500 any the less "earned."

Why the discrepancy between for example a 1.9 per cent. real for example a 1.9 per cent. real growth rate in the second quarter of 1977 compared with the previous quarter and on all-time record of around 1.500 corporate bankruptetes per month at present? Because, say an ever larger number of independent Japanese economists, the GNP figures do not tell the true story about the state of the economy Why the discrepancy between about the state of the economy any longer.

Lero growth

terrible of Japanese academic factors making up the domestic economists and the man who portion of GNP. This has the economists and the man who master-minded Japan's "income effect of reducing the growth doubling" plan in the early 1960s. After being one of the most committed advocates of high growth in the 60s Professor Shimomura switched suddenly to being a prophet of zero.

deflutor user to calculate the cent, growth target for real value of imports (as current year,

BBC 1

† indicates programme

6.40-7.55 a.m. Open University

(UHF only). 9.38 For Schools.

THE JAPANESE economy is opposed to the nominal values becoming, or at least doing a good shown in month to month trade deal better than any of the other figures) is inordinately large major OECD economies, say the and much bigger than the Government's latest GNP figures, deflator used to calculate real The Japanese economy is still exports. The reason for the obstinately refusing to move out difference is that Japane's import of the language recession it has prices between 1973 and 1977.

Economic Planning Agency's difference is that Japan's already massive current account surplus (in the past two years that is) becomes even more massive in

Professor Shimomura has not suggested any way of totting up the GNP which produces a more realistic result but one of his The attack on the GNP figures associates recently came up with a set of real GNP figures in is being led by Professor Osamu which imports and exports are shimomura, the ageing enfant deflated at the same rate as the terrible of Invenees academic features.

able as far as it goes (although The official economic planning report has it that even the EPA acreey figures show the real is beginning to worry a bit about GNP growing by 13 per cent, some of the processes by which between the third quarter of it calculates GNP, including the 1973, or the eve of the oil crisis, formula for seasonal adjustand the second quarter of 1977; ments). The point is, however, 51 per cent, of total growth, however, that if GNP and national prosever, was contributed by the over- perity, or for that matter GNP seas sector which is an amozing and Japan's contribution to pullean countries. another way, Mr. Fukuda should Professor Shimomura says the realise that there is more to share of the foreign sectors has running the economy than hitbeen exaggerated because the ting his Government's 6.7 per

THE WEEK IN THE COURTS

Cricketing benefits and the Revenue

hear about the "tax-free bene- been confidently expecting to TCCB seem hell-bent to fits" that Messrs. Amiss get when they acted first as publicise, in the full glare of (£35,000). Knott (£27,000), purchasing agents for the Underwood (£24,000) and builders.

D'Oliveira (£45,000) received fits of our leading cricketers. from their respective county

cricket clubs. benefited hugely from their simple. A payment received by turn out to be a hostage to the loss of an opportunity to fortune.

must read on, and await the ment is voluntary. QED. expounding of a case in the The estate agents countered cricketer.

such purchasing agents to do a order to preserve the general Inland Revenue has been great deal of extra work before commercial image of the third wrongly neglecting to purchase in making sure, for party as being reasonable benefits such as those the protection of their clients, developers and purchasers. "earned" by the exertions of that all the proper planning. After reviewing five of the eminent cricketers, permissions and services would leading eases in this branch of. (No doubt cricketers have

development a success. amount for an economy which ing the world out of recession, least in the Croydon area— between "gifts which had been will not now be roused to assess is still (despite all the outery do not mean the same thing, it is for such agents to be employed carned" (taxable) and "gifts those in receipt of benefits over is still (despite all the outery do not mean the same time, at 15 lbt source about Japanese experts) less high time that the Government internationally oriented than of ir. Takeo Fukuda should stop but more lucrative (fee-wise) (non-taxable). Whether the cricketer's despite a high that of any of the major Euro- talking as if they did. To put it task of selling off the land as the test whether the gift benefit is taxable or not, the numerous task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it task of selling off the land as the control of the major Euro- talking as if they did. To put it talk of the major Euro- talking as if they did the control of the major Euro- talking as if they did the major Euro- talking as if they did the major Euro- talking as if they did the major Euro- talking the major Euro- talking the major Euro and when developed.

sold out to a third party before referred to the wark of the a hatsman being bowled a long-the agents could enter upon the recipient, or whether the hop.

THE QUEEN'S Counsel appear- task of selling off the developed referred to the conduct of the ing for the International Cricket land. Not unnaturally the estate recipient.

Conference (ICC) and the Test agents quickly offered their The judge was obviously and County Cricket Board services to the third party. But influenced by the consideration (TCCB), Mr. Michael Kempster, the third party already had that had the £2,500 been paid may not have realised that, he their own agents, and gracefully not by the third party but by was treading on delicate ground declined to employ a second lot the original builders it would

decision and the size of the gift, cross-examination of Mr. Tony But certainly some eyebrows the estate agents eventually got Greig about the "tax-free of the Commissioners of Inland it doubled, and so they finished benefits" cricketers habitually Revenue and of some discern- up with a "gift" of £2.500, receive. ing fellow taxpayers will have instead of the very much larger been raised several inches to commissions which they had

Compensation

To explain why, the reader of trade, even though the pay-

Mr. Justice Templeman began argument. They said that the his judgment on July 13, 1977, payment was not tazable in McGowan (HM Inspector of because it was not the direct free bonanzas awaiting them in the autumn of their playing with these words: "This is a processional with these words: "This is a processional form of the professional with these words: "This is a processional form of the professional form only earn what played from the comfort and contrast to England. While France scruminged lined England of critical inpunity of the stand. While France scruminged lined England of critical inpunity of the stand. While France scruminged lined England of critical inpunity of the stand. While France scruminged lined England of critical inpunity of the stand. While France scruminged lined England of critical inpunity of the stand. While France scruminged lined England of critical inpunity of the stand. While France scruminged lined England of critical inpunity of the stand. While France scruminged lined England of the critical inpunity of the stand. While France scruminged lined England of critical inpunity of the stand. While France scruminged lined England of the critical inpunity of the stand. While France scruminged lined England of the critical inpunity of the stand. While France scruminged lined England or clubhouse, was the adequately thanks to Colonna's tive halfback pair.

Saturday when a gale ruined the head, collective play was virtuated and the critical inpunity of the stand. While France scruminged lined England or clubhouse, was the adequately thanks to Colonna's trong performance, their backs and the critical inpunity of the stand. While France scruminged lined England or clubhouse, was the adequately thanks to Colonna's trong performance, their backs and their playing of the stand. While France scruminged lined England or clubhouse, was the adequately thanks to Colonna's trong performance, their backs and their playing of the stand. While France scruminged lined England or clubhouse, was the adequat crisis. His arguments may be held suspect on the grounds that they tend to prove his prophecies right or on the grounds that they are a roundabout way of stating tine obvious, but most people feel that Professor Shimomura's attacks. is taking the line that people feel that Professor Shimomura is really say mura has a point.

The essence of the Shimomura is really say feel was been discrimed in the stating the obvious. The story the judge had to originally employed the estate agents. This in turn was because, the autumn of their playing sturday when a gale ruined the autumn of their playing sturday when a gale ruined the autumn of their playing careers."

When they have to leave the playing arena in their that in itself was late thirties or forties to start strates, is taking the line that stances which I shall shortly made by the third party and a business or other job they stances which I shall shortly made by the third party and mura has a point.

The essence of the Shimomura is really say ing is that much of Japan's progress since the oil crisis has been the story the judge had to originally employed the estate agents.

When they have to leave the autumn of their playing careers."

When they have to leave the playing arena in their the autumn of their playing careers."

When they have to leave the playing arena in their the playing arena in their stances which I shall shortly made by the third party and a business or other job they will, unlike their fellow parties.

The story the judge had to originally employed the estate agents.

The secanses of the Shimomura is really say in the autumn of their playing arena.

The secanses was played the autumn of their playing arena in their the autumn of their playing arena.

The secanses of the story the autumn of their playing arena in their the autumn of their playing arena.

The secanses of the story the autumn of their playing arena in their the autumn of their playing arena.

The secanses of the story the autumn of the autumn of the autumn of the autumn of the au

be available to make the tax law, Mr. Justice Templeman not been assessed for tax on thought that the taxable/non-their benefits, but that is not

What was puzzling about this deserved " depends on an Slade's court will pounce upon problem was that the builders inquiry whether the gift can be Mr. Kempster's suggestion like cacy.

(not to say, batting on a very of estate agents. have been very difficult to say sticky wicket) when he cross- But what they were prepared that it was not "referable

For reasons that are not

immediately apparent ICC and

fits of our leading cricketers. To doubt the object is to Mr. Rempster's attempt to Was this £2,500 taxable? The controvert the Packer camp's how these players Revenue argued that it was very point that by and large pro-ed hucely from their simple. A payment received by fessional cricketers' earnings chosen careers in cricket may a trader in compensation for from the game (and from assothe loss of an opportunity to ciated activities like coaching make a future profit is a profit and umpiring) are miserably low, by pointing to the nestegg that awaits the faithful

not by the builders who will, unlike their fellow the first half and Bell scored a

The story the judge had to originally employed the estate citizens, have a large capital try in the dying minute after a
sell was as follows. ing is that much of Japan's promins has a point.

The essence of the Shimomura
doctrine is that Japan's GNP
growth over the past four years
has been drawn to a suspiciously
large extent from the overseas
simports minus invisibles) considering that foreign trade with national pross
imports minus invisibles) considering that foreign trade still,
actually, looms fairly small in
overall Japanese economic
overall Japanese economic

The story the judge had to originally employed the estate
agents.

The story the judge had to originally employed the estate
agents.

The story the judge had to originally employed the estate
agents.

The story the judge had to originally employed the estate
agents.

The taxpayers were estate
taxman cannot lay his hands on.

If the line drawn by Mr.
If the dying minute after a

Sorrell bereak by Jeavons.

Vivies kicked France's penalty
vivies kicked France's penalty
ruck particularly in the scoond after half-time, being replaced.

The taxpayers were estate
agents.

The taxpayers were estate
agents agents in the flanks. Gration to appoint the estate agents if the minute of Japan's grosidering is that much of Japan's progress since the oil crisis has been
cancelled out by worsening
to trade (that is, the faster increase of import prices) than
of export prices). GNP, says the
EPA, is GNP and should not be
confused with national prossidering that foreign trade still,
actually, looms fairly small in
overall Japanese economic
in the drawn by Mr.
The story the judge had to originally employed the estate
agents.

The taxpayers were estate
agents of the minutation, then, which the, vivies kicked France's penalty
overall Japanese extent from the overseas astill agents they be agents as selling agents; they be agent agents of the fi

Piggott tactics win Arc

JOCKEYSHIP may have decided on in tremendous style, the share in the Houst the Plag bay the outcome of the £140,000 Are Tipperary colt always looked to 60 per cent.

de Triomphe at Longchamps certain to win in emphatic salinerino's owner. Tipperary colt always looked to 60 per cent.

New Zesland sheep farmer saling yesterday, for whereas Lester fashion.

Piggott rode one of the best-pingged races one could hope to see on Alleged, Ron Hutchinson had left him merino collected for second parts but Hutchinson had left him merino collected for second parts but Hutchinson had left him merino collected for second parts with an almost impossible task amounted to nearly half, the with an almost impossible task winnings enforced by the four wide of the mark.

wide of the mark After the field of 26 had set off surprisingly promptly by French standards, it became apparent almost immediately French

RACING

BY DOMINIC WIGAN

hem. Alleged (carrying his colours for This he did not do. Running the first time) by increasing his

vear-old in 21 previous victories. The third, Crystal Palice prominent from the outset with out ever threatening a blow-landed about \$40,000 for Baron Guy de Rothschild Dundern line's fourth place effort pro-duced another \$15,000 for the

apparent almost immediately that no one was keen to go on and set the usual frenetic early had reached the post, the eight lengths by which Ralmerino was trailing the favourite turning turning the favourite turning the favourite turning turning the favourite turning the favourite turning turning turning the favourite turning turning the favourite turning turning turning turning the favourite turning turning turning turning turning the favourite turning turning turning turning turning turning turning turning turning turni

3.15-Moving Picture 3.45-Quibala

Forwards win for England

courts this summer.

this argument by a less simple

Mr. Justice Templeman began

argument. They said that the

may be regarded as modest

They don't only earn what

played from the comfort and contrast to England.

They said that the

may be regarded as modest

They said that the

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They said that the

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They said that the

may be regarded as modest

They said that the seems to be saying, RUGBY IS an easy game when behind the serum, which was in

the English cover and under

the English cover and under

the played from the comfort and contrast to England.

While France scruminaged lined England's particular de

The said that the serum when behind the serum, which was in

The English cover and under

The said that the said t

On Saturday, the talent was sive.

RUGBY

BY PETER ROBBINS

not pass fluently.

Carlton ran hard and fast?

with no hint of beating a me
with the skill of Mogg.

Both tackled firmly as t

they graduate to the national The slickness and sureness of mobility, too, and work at side.

the French passing was impress breakdown was uplifting to other forwards.

Classy Leeds dominate Chelse

four, not noted for their deli- chances.

They drew the higgest crowd— the wind began to exert more pressigned under 35,500—so far this team began to exert more pressigned years book in the 30 season at Stamford Bridge, and on Saturday, Madeley, major as the second centre back, Ed. gave the newly promoted, and youthful Chelsea a practical lesson in the skills of the game.

It would be no exaggeration to say that the visitors were superior in defence, midfield and sure, but one gained the impress half was almost responsible

The North Risburg.

All District Cales.

All Distri

Following the interval, with They drew the biggest crowd—the wind behind them, the home former great Leeds team

SOCCER : BY TREYOR BAILEY

Gray, formerly a left-winger, the central figure in mid-fit and Loriner, whose power and accurate shooting from ris

earlier for a late tackle.

superior in defence, midfield and attack, and if they continue to play with the same poise and a defensive error; if they were they could become serious candidates for honours.

Leeds went into the lead after only three minutes with a dream goal. Currie juggled, while Frank Gray came from behind to race had never crossed the line. Leeds or under heavy pressure is o down the left wine and his continue to sion that they needed tack, or further goals.

In terms of attacking id to score. Appropriately enough, and ball play a midfield trio their equaliser came direct from Currie, Eddic Gray and Lorin must rate highly, but when the left wine and his continue to sion that they needed tack, or further goals.

In terms of attacking id to score. Appropriately enough, and ball play a midfield trio their equaliser came direct from Currie, Eddic Gray and Lorin must rate highly, but when the left wine and his composite they needed tack, or further goals.

out the world double-strict and the attachment of "protuberances" to the str

6.49-7.38 am. Upon Criteristy (CHF only). 9.28 For Schools, 628-8 rev vou Bing Served? For Schools, 620-1845 you and Nr. 11,09 For Schools, 620-1845 you. News. 100 Pebber 2011. 1.45 you should be served? South 11,00 Year Show. News. 100 Pebber 2011. 1.45 you show the legges. 213 you should be shown the left wing, and should be shown the left wing, and one of the Year Show. News. 100 Pebber 2011. 1.45 you show the legges. 213 you should be shown the left wing. News. 100 Pebber 2011. 1.45 you show the . /

ACROSS I German boy takes a little I This is the place to guard the time to return in a cab (6)

4 United—by an agricultural

2 Lack of a billet shown by the

merciless (2, 7)
3 Love for the Benedict—it's machine? (8) 10 Petition to engineer a search overdue (4)
5 If there is noise in the exams 11 Lost at sea, the doctor admitted (7)

12 The river to last (4) 13 Mediator between Arabs and

15 Preferably expressed in schoolhoy approval (6) 8 The actor, including the theologian, is seen to shake 16 An expression of grief about liquor causes disturbances (7)

20 Commanded and arranged 9 You need little beef to (7) govern (5)
21 Doctor finds flower-girl in a 14 Prosaic, but always on his

bad mood (6)

24 They are said to think alike 17 A low tee? Stop! It's debatable (5, 5)

26 As you pass, the tree is plain to see (4)

28 Sufferers go through it—it makes them ill (3, 2) makes them ill (3, 4)

29 Cruising along like a crooner round the record (7) 29 Cruising along like a crooner round the river (1)

30 We want one to start the fire—it's Nora's turn (8)

23 Change of abode? You need something to build with (5)

25 The jugs sound as if they

31 Origins, we hear, of sleeping belong to you (5) places on board (6) 27 A female actor (4) The solution of last Saturday's prize puzzle will be published with names of winners next Saturday,

Newsround, 5.05 Blue Peter. 5.35 5.55 Nationwide (London and

South-East only). 6.20 Nationwide. 6.50 Are You Being Served?

5.40 News.

DOWN

they give the order of sequence (8) 6 A highway in a Lancs town

marks government property (5, 5)

7 You need a number to catch

the composition (5)

at Wales). 5.55-6.20 Wales To-day.
6.50-7.20 Heddiw. 11.25 News and
Weather for Wales.
Scotland—10.03-10.20 am. For Scotland—10.03-10.20 am. For Schools (around Scotland). 5.55-6.20 m. Reporting Scotland.). 10.45 Amazing World of Kreskin. 1.20 Gram.
Schools (around Scotland). 5.55-6.20 p.m. Reporting Scotland. 10.45 The Selkirk Common Riding.

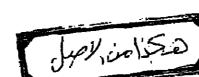
The Selkirk Common Riding.

The Selkirk Common Riding.

لفيكنامن المعمل

t taxable line fell to be drawn to say that Inspectors of Taxes between "gifts which had been will not now be roused to assess about the merited 2—1 win by down and before that occurred three forwards. Leeds United on Saturday was Hankin might have put his side the quality of their football, further ahead. Afterwards, the quality of their football further ahead on the equalities in a despite a high, swirling wind and northerners still continued to numerous uncompromising serve up the more cultured tackles from an opposing back moves and to create the positive for fighting, as later tackles. It was also the practice—at taxable line fell to be drawn to say that Inspectors of Taxes

Wales—1.43-2.00 p.m. Pili Pala. 11.00 The Horror Film: "Tales from the Band Days. 2.02 The Big Band Sound 2.18-2.38 For Schools (Let's Look Crpt." 12.35 a.m. News and Weather in 181, 9.02 Humphrey Lyttelion with "The French followed by Channel Gazette. 182 On records 18. 18.02 Sport at Wales). 5.55-6.20 Wales To-day. 6.50-7.20 Heddiw. 11.25 News and GRAMPIAN GRAMPIAN UNIT Police Radio 11, 10.07 Star Sound





Pauline Siddle and Vincent Brimble Theatre Royal, Stratford E.15

The Curse of the Werewolf

It is good to see the Theatre a lesbian weaver, Susan; a com-at New Eud open again and look-mitted potter, Irene; Lois's ing as smart as ever. American fiance. George, who plays a capital is the secret, and a season recorder; an aging builder who of American drama is the forth- is helping with the project. Their It is good to see the Theatre a lesbian weaver, Susan; a comat New End open again and look mitted potter, Irene; Lois's
ing as smart as ever. American fiance. George, who plays a
capital is the secret, and a season recorder: an aging builder who
of American drama is the forth- is helping with the project. Their
coming programme under the talk consists mostly of remarks
again of Lawrence. Tanhman about themselves which are not down next, nor whether his comextended accelerandi and

ormance of Mendelssohn's which the conductor has to time

Aldo Ciccolini, who was to figures of Adam, Orpheus, and ave appeared in Rakhmaninov's Cain.

ras a recurring highlight of stritish musical life in Victorian large battery of percussion instruments (struck with a mong the citizens of Birmingman, to judge by Thursday's relating audience. The City of craiming ham Symphony Orchestia was conducted by Vernon landler, noted for his abilities in modern music. A new work by chin Casken, Tableaux des Trois ges, had been somewhat inconnume of favourite Russian the score with the age of gold, silver and iron, and with the Aldo Ciccolini, who was to figures of Adam, Orpheus, and

isposed. His replacement, Peter nation, chose to play the Concerto 20. 2 instead. How many dozen hundred times he has presulting the concepts to a 17-country to many dozen hundred times he has presulting to the concepts to a 17-country to make the piece of considerable hundred times he has presulting to the concepts to a 17-country to the concepts

Coliseum

Siegfried and Twilight

by MAX LOPPERT

Valleyriè and Siegirièd can be tolerated more readily than an interval of similar length between any other two Ring operas during a complete Ring operas for this siegiried, that great decreaser, so time may be permitted to elapse in life just as we know it has in Wagner's epic. But in the current English National Ring cycle just complete Ring the first two operas seemed somewhat dimmed by the time of Thursday's third instalment. There were still many vivid features of this Siegiried's not least a complete Ring for voice of cleaner wandled that the theatrical point of the screic was clean in a way, on the earlier operas — were mesh in only intermittently. (Malcolm Rivers), each in his Asge. Hangland. as. Innding. Waynotent in dubtibly heroic participant. (Malcolm Rivers), each in his waynotent and assertive. Mry shifted the centre of gravity in beroice must have played their Dobson's familiar Mime, new in a fascinating, unlooked-for markable for its assembly of the earlier operas needed without the current English National Ring cycle just complete the carefully default and way colour-table the current English (Propose of the section of the sect

Valleyrie and Siegiried can be Charles Mackertas's survey of watchers and the schemers—on and lively textures. One intolerated more readily than an income intermittently (Malcolm Rivers) and Alberich dubitably heroic participant.

Six days' pause between The 50 rewardingly combined in So the attention was on the fund of well-characterised solos

Dutch imports: Dfl. 88,060 million.

Dutch exports: Dfl. 87,140 million.



Greenwich

The social to me the Trainer she peep for whom the flavored present specifically as the particular strategy of the present specifical present specifically as the particular strategy of the present specifical present specif

of American drama is the forthcoming programme under the
aegis of Lawrence Taubman
Productions.

It is not so good to see the
first example of their initiative.
Though almost everyone sees,
for Corinne Jacker's Harry Outside, in spite of its Obie Award
is a dull and pointless play.
Harry Harrison, its here, played
with stentorian charm by
Richard Kay, was a distinguished
with stentorian charm by
Richard Kay, was a distinguished
his unacceptable reason for
which was that she knew too
much about his plans for
destroying the kill his wife,
his unacceptable reason for
which was that she knew too
much about his plans for
destroying the minimum too
meth him he has been out for There is no mystery, no leasion,
two months and resolutely refitees to go luside a house. He
tilves in a clearing in the woods behaviour with such a word) are
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tilves in a clearing in the woods behaviour with such a word) are
tilves in a clearing in the woods behaviour with such a word and the proposed o

Westminster Cathedral

Winchester Cathedral Choir

by RONALD CRICHTON

In aid of the appeal fund, against it, but sooner or later Westminster invited the choir they return. The simple but from Winchester on Friday to be fitting idea is worked out with the first Anglican body to give a not more effect but the illumination of the words) not unlike the ave appeared in Rakhmaninov's Mr. Casken—who teaches in the first Anglican body to give a fastidiousness (the aim being the first Anglican body to give a not mere effect but the illumination of the music department of the University of Birmingham—is led by these concepts to a 17- of the Music at Winchester, poser who is at home on a small plant of the music of the music at winchester, poser who is at home on a small plant of the music at winchester, poser who is at home on a small plant of the music at winchester, poser who is at home on a small plant of the music at winchester, poser who is at home on a small plant of the music at winchester, poser who is at home on a small plant of the music at winchester, poser who is at home on a small plant of the music at winchester, poser who is at home on a small plant of the music at winchester.

In our business bouquet is a flower for everybody. As long as you use the inside bank: NMB Bank.

Holland's prosperity proves to be a fertile soil for any kind of business. Just a glance at Dutch trade shows that it is considerably more important than it sounds. With the largest, busiest port in the world, its vast transit-trade and multi-

billion imports and exports, Hollandalthough a small country-plays a signiticant role in world economy.

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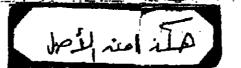
the NMB Bank.

Though NMB ranks number three larger companies that form the backbone of Dutch business.

Because NMB finances a consider-able amount of their business, it has gained an expert knowledge of interna-

So, the next time you deal with
Holland, turn to the NMB Bank and turn .. yourself into an insider.

among commercial banks, it is number telephone . 3120 - 5439111, teles. 11402 A NMB ML one with thousands of medium-sized and We are a member of the Inter-Alpha Group of Banks and have joint-representative offices in Teherar, Singapore, Hongkong, Tokyo and São Paulo, NMB Bank has representative offices in New York, San Paulo, Beirut, and a full branch in Curação. Netherlands An



Brazil signs currency pact with Yugoslavia

Japan's top department store to stage £1.1m British fair

THE WORNERS SPIN

TORYO, Oct. 2.
TRADE BETWEEN Brail in Author to the Company of the Company of

India to import 1m: wristwatches

Bank upgrades future Saudi and Gulf surpluses

Their investment income their imports more substantial receipts—a major part of the than they are doing now."

Loday's nase.



Alan H. Ulrick-Vice President, Manager, Foreign Exchange Trading, London

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However large multinational corporations or national companies may be, they are still very vulnerable to foreign exchange risks. The Chase has the experience and the track record to show how these risks can be minimized. Chase foreign exchange experts can advise on how to deal with the latest accounting standards, can make recommendations on hedging strategies and can implement corporate currency. trading programmes. Foreign exchange markets are constantly changing and the Chase specialists assess the latest updated information to provide your company with up-to-the-minute advice. Chase has foreign exchange and money operations in all the key markets of the world with European centers in London, Frankfurt, Paris, Geneva, Vienna, Athens, Milan, Luxembourg and Copenhagen, all linked directly with each other and with New York.

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opportunity markets with all their complexities is at your disposal through Chase's trade finance specialists.

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Chase Energy Group

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Alcoa Australia to supply Dubai aluminium smelte

ALCOA OF Australia will supply secure another 70.000 tons 200,000 tons of alumina annually alumina to fulfil the capac over a ten-year period to Dubat's presently under implementat smeller under an agreement (two tons are required for a signed in London on Saturday. of the finished metal). It, This volume will satisfy about hoped to conclude another sup three-quarters of the require contract with Brazilian intera-ments of the 8600m. Dubai plant in the near future. which is now under construction. For Alcon (Australia) the d and is scheduled to come on concluded yesterday will me stream in 1979 with an annual an investment of \$250m. and \$

allow it to rise above a certain result of the world-wide shortage percentage of the drail metal of aluminium capacity.

said Mr. Branner, who has been cents by 1980.

Said Mr. Branner, who has been cents by 1980.

The Dubai smelter package. Distince by dry gas offtake from cussions are currently taking a nearby LPG plant which place with an un-named U.S. turn will be supplied from temperature of the additional output proposed.

Way it should benefit from the Production from capacity tirely cheap energy.

Production from capacity tively cheap energy presently under construction is the southwise being financed largely by Corporation of the U.S., Nissho-Livai of Japan and Alcan of the Lloyds Bank International & backed by the Exports Creek. U.K. backed by the Export.
The enterprise has still to Guarantee Department.

stream in 1979 with an annual capacity of 135,000 tons.

The contract was signed on behalf of Dubai by Sheikh Hamdan bin Rashid el Maktoum on behalf of the ruler of Dubai, which owns 80 per cent, of the project, and Mr. W. Porter, chairman of Aleoa (Australia).

No precise value has been placed on the contract nor any lindication given of the projec of the dlumina concerned. However provisions for escalation will not allow it to rise above a certain result of the world-wide shortage.

percentage of the dual metal of aluminum capacity, price, according to Mr. H. P. Original calculations about the Brainer, chairman of British feasibility of the Dubai project. Smelter Construction, the main were originally made on the contractor for the project. Sumption of a price of 60 cepture. Under consideration is a per pound by 1979 compans fourth pot line which would with one of 53 cents at pressing increase capacity to 180,000 tons, the now foresees it rising to sent the 1980.

Contracts

e Fujitsu has received a Y900m. • Hopkinsons has won a controprier for a radio comunications worth \$500,000 for the supply network system for the police parallel slide-gate valves for department of Iraq. Consisting new nuclear power station below a main communications centre built in the U.S., for Washingt radio southment for patrol case. Public Pawer, Syringly System.

network system for the police department of Iraq. Consisting new nuclear power station betoef a main communications centre radio equipment for patrol cuts, and hand-held receivers for individual patrolemen, to be instabled in Bagddad, the system is to begin operation in early 1979.

© Intried International of Singapore has won a contract to build 40 barges costing \$7.5m. for the Burnnese Government. The company has also won a contract valued at \$35m. to build pre-fabricated houses in Bahrain, Jordan and the United Arab Emirates, A third contract, valued at \$163.000 is for construction of a central management system for the new Taoyuan Airport, near Taipet, Taiwan, has been awarded to Boeing Aerosystems luternational (BAI), a division of Boeing Commercial Airplane Company.

© British Aircraft Corporation's electronic and space systems division at Bristol has been awarded a £1m. contract for a space science experiment by the ESA). Under the contract, BAC in partnership with their U.S. subcontractor LND, will design and build the detectors and mechanisms of the "medium energy" experiment that will be carried by the ESA X-ray satellite EXOSAT.

© Rank Taylor Hobson has received from China.

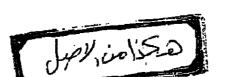
World Economic Indicators

INDUSTRIAL PRODUCTION

129.9p 131.6p July '77 122.6 97p 101.8 103.0p May '77 134.0 119 103.6 118.5p April '77 123.4 100,0 120.1p May '77



Chase Manhattan Bank, N.A., Woolgate House, Coleman Street, London EC2P 2HD. and offices in Amsterdam, Antwerp, Athens, Bari, Belfast, Brussels, Copenhagen, Dublin, Dusseldorf, Frankfurt, Geneva, Ghent, Guernsey, Hamburg, Liege, Luxembourg, Lyon, Madrid, Milan. Munich, Paris, Piraeus, Rome, Rotterdam, St. Helier, Salonica, Stuttgart, Vienna, Zurich.



Joint U.S.-Soviet stand dismays Jewish lobby

"Jewish lobby" to stop ending belligerency." U.S. from trying to At the same time, Administra- after his election and the Jewish 2008e" a settlement on the tion officials noted that the docu- community will move swiftly to

well short of any such imposi- any circumstances) and leaves of the Jewish lobby and has two tion and involves a number of deliberately vague any real important. Soviet concessions definition of the phrase "Palesbut this will be of no comfort tinian rights."

but this will be of no comfort tinian rights."

Israel's friends, however, have time it is now clear that he lines to Capitol Hill are as open been watching with mounting has committed himself to a as they have ever been. For that horror as the Carter Administration on the Middle East that matter, the Congressional Right tion's position has shifted closer goes very much further than any wing can be expected to object and closer to that of the modevociferously to what it will rate Arab States. They fear that has been intermittently apparent surely term the "gratuitous" in even if it is not actually impossion on the Model East that has been intermittently apparent of the Soviet Union ing a solution on Tel Aviv the be no doubt about it.

THE LONG-PREDICTED conformal in the negotiating process.

In the negotiating process.

U.S. is condoning a situation in frontation between the Carter Mr. Hodding Carter, the chief which Israel is progressively and now be at hand after last nights moved to defuse some of the unexpectedly broad joint U.S. anger yesterday, insisting that all estranged from its closest and soviet declaration on the Middle though the document marks the most powerful ally.

East at the United Nations for time that the U.S. has re- In practical terms the Soviet declaration on the Middle though the document marks the most powerful any.

East at the United Nations. first time that the U.S. has re- In practical terms the powerful friends in the U.S. can Palestinians "these rights are Israeli lobby is likely to be be expected to be extremely not to be purchased at the ex- a "closing of the ranks" behind fierce, partly because they have pense of Israel." Further, he the Begin government. The been caught off guard and partly said, Palestinian rights cannot Israeli Prime Minister is already because it has been a key aim be considered "separately from much more popular with American the separately from such more popular with American the Israeli Prime Minister is already because it has been a key aim be considered "separately from much more popular with American the Israeli Prime Minister is already because it has been a key aim be considered "separately from much more popular with American the Israeli Prime Minister is already because it has been a key aim be considered "separately from much more popular with American the Israeli Prime Minister is already because it has been a key aim be considered "separately from much more popular with American the Israeli Prime Minister is already because it has been a key aim be considered "separately from much more popular with American the Israeli Prime Minister is already because it has been a key aim be considered "separately from much more popular with American the Israeli Prime Minister is already because it has been a key aim be considered "separately from much more popular with American the Israeli Prime Minister is already because it has been a key aim be considered "separately from much more popular with American the Israeli Prime Minister is already because it has been a key aim becau

Tel Aviv Government whether ment does not refer to the flex its muscles in Congress.

on its own or with the Soviet Palestine Liberation Organisa-Government. tion (with which Israel refuses For his part, President Carter Last night's statement stops to negotiate under virtually fully understands the strength well short of any such impositions circumstances) and leaves of the Jewish lobby and has two

cans Jews than immediately

For his part, President Carter

Gromyko hints at Summit

Mr. Gromyko's remarks, recorded earlier last, week in New York and broadcast on Soviet television on Saturday night, were the most optimistic Soviet statement yet on the future of the SALT II talks, which had been all but dead-lanked since the Soviet rejection of two U.S. SALT proposals in March.

On the Middle East, Mr. Gromyko said the Soviet Union continues to stand for a settle-ment which would protect the legitimate rights of the Pales-tinians but guarantee the indeendence and sovereignty of both the Arab states and Israel. He said the Soviet position was made "amply clear" in talks in the U.S. and at the White House.

The Soviet Foreign Minister, said that as a result of the talks in Washington, the situation is "better to-day than it was yes-terday," and that although some questions remain undecided, they are of secondary import-

In a further indication that the recent talks have improved tries plan to restrict their

Although he did not specifically June

THE ATMOSPHERE surround- SALT prospects markedly, Mr. endorse a U.S. Soviet summit, ing the Strategic Arms Limita- Gromyko hinted that the Soviet Mr. Gromyko said a summit tion Talks improved perceptibly Union is open to the idea of a meeting would be a step forward with the statement over the U.S. Soviet summit meeting in Soviet-American relations. His week-end by the Soviet Foreign even though the Soviet leader, receptivity to the idea contrasted Minister, Mr. Andrei Gromyko, Mr. Brezhnev, would prefer to sharply with Mr. Brezhnev's perthat progress was made on hold a summit when there is a emptory refusal to consider a "key" issues and that the United treaty to sign or a positive out-summit meeting when the idea States and the Soviet Union are come is assured.

We was first broached by the U.S. in

West insist that East admit guilt in Belgrade

BY REGINALD DALE, EUROPEAN EDITOR

DELEGATES from 35 nations were gathering here to-day for the meeting to review the 1975 Helsinki Agreement on security and co-operation in Europe. The talks, which open on Tuesday, are expected to last at least until December, and possibly until February.

The West has consistently made it clear that it will try to avoid "polemics" during the Belgrade Conference, particularly on the sensitive issue of how far Eastern countries, have carried out the humanrights provisions of the agree-

Initially, the Western coun-

BELGRADE, Oct. 2. comments on human rights to broad statements of principle. They will raise individual cases only if the Eastern countries are less than frank in their response or attempt to deny that violations have

taken place. The West, however, must also expect to come under fire from the East. The U.K., for example, is almost certain to face accusations of humanzights violations in Northern freignd, and the Eastern countries are expected to raise the general issue of the right to work at a time when the West is still suffering from massive

growing affluence and could be

well with the real GNP rising by 4 per cent, in the first half of 1977, inflation on a year-to-year basis dropping to 5.5 per

cent in August and unemploy-ment a mere 1.8 per cent. But the balance of payments deficit and the shortfall in the federal budget have reached immense

proportions which pose a threat not only to the exchange rate of the Austrian Schilling, hitherto

one of the hardest currencies in world, but in the long run

The visible trade deficit in January-July jumped by 29 percent, to a staggering Sch.38.9bn. (£1.3m.) and may be well over

Sch 60bn by the end of the year. Worse still, net receipts from tourism were only up by 3 per

cent. and the current account deficit almost doubled to Sch.21.9bn. Foreign exchange reserves dropped by Sch.8.6bn...

The sudden deterioration of

the balance of payments current account has been partly due to

the fact that Austria's Socialis

Government has succeeded too well in combating the danger of recession in 1974-75. Motivated

partly by electoral considera-tions, the Socialist Government

in those years and the Socialist-dominated unions created a situa-tion in which despite a 2 per cent.

fall of the GNP, nominal wages

jumped by 14 per cent. in 1974, 1975 and 1976 tax revenues were

respectively'5, 10 and 3 per cent.

also to full employment.

economy is still doing fairly

AUSTRIA AFTER THE ELECTION

The good life is over

BY PAUL LENDVAI IN VIENNA

stringent stabilisation measures, described as "the most severe awakening for the 7.5m. political and social tension have blow against the Austrian Austrians, so long accustomed to been rising for some time. economy since World War Two. labour peace, rapid growth and few days ago more than

6.000 cars blocked the Ring stration staged by Austrian reflected in to-morrow's elections boulevard, cutting off access to businessmen since the war in the easternmost province of was a new law on company Burgenland. On the face of it,

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DESPITE the relative success the elegant shopping streets of durables, ranging from colour scored by the ruling Socialist central Vienna. Displaying trans television sets to hi-fi equipment Party at to-day's important parencies with slogans such as and dishwashers. Social security regional elections in the province "hands off our cars," the contributions will be raised, a of Burgenland, last week's flurry Austrian business community special levy on transit lorry of speculation against the and its political arm, the traffic introduced and incomeschilling indicates that Austria "Wirtshaftsbund" (one of the tax cuts demanded by the unions is faced with serious financial three basic organisations of the will be put off for as much as and economic problems. In opposition People's Party) pro- two years, anticipation of the forthcoming tested against what was All this comes as a rude

The target of the first demon-

RULING Austrian Socialists look set for a surprising electoral victory at the provincial elections in Burgen-land. Austria's eastern-most province. According to computer projections, the Socialists are set to increase their majority and to pick up an additional seat in the provincial legislation (Landtag). They will now have 20 seats, as against 15 for the opposition People's Party. The Freedom Party lost its only seat in the

and a series axation measures prepared Chancellor Bruno Socialist Government.

The reduction of the wide allowances for companies and reserves dropped by Sch.8.6 self-employed professionals is only the prelude to a package of the most drastic austerily during the past three years. Austria's external indebtedness has roughly doubled to Sch.109bn. measures Austria has faced since the early 1950s. These include the projected inroducion of a special Value Added Tax of 30 per cent, instead of the hitherto 18 per cent. on so-called "luxury" goods such as cars, and a variety of consumer

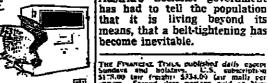
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Reports of 100 killed in Dacca

coup attempt

reported killed in an abortive coup attempt by dissident Bangladesh troops here to-day as the last of 60 hostages in the Japan Airlines Hijack were shuttled to safety in buses

from the airliner, Unofficial reports said 11 air force officers and 17 civilians may have been among those killed when shooting broke out in the airport during the revolt, which started before dawn in an army camp.

A group of dissidents briefly seized the Dacea Radio station to announce a successful coup by the army, navy, airforce, police and students,

But President Zia-ur-Rahman went on the air a few hours later to tell the nation loyal by "disgruntled elements."

The national capital re-mained calm. with no visible signs of tension, but a curfew appears to have been imposed and Dacca airport remained closed to ali traffic.

The motives for the revolt are not yet clear. Major-Genera I Zia-ur-Rahman, who came to power after a series of coups following the assassiof Prime Minister nation Sheikh Mujib-ur-Rabman by junior army officers in August, 1975. gave no details in his ninute address to the nation this morning.

He said the coup had been staged by "some indisciplined soldiers" backed by vested interests who did not want the country to progress.

General Zig disclosed for the first time that there were similar shooting incidents last Friday in his northern Bangladesh hometown of Bogra, in which several "patriotic soldiers" were killed by rebels and property was damaged, but did not go into details.

U.K. motives in Africa are suspect says Owen

equivocally clear that it was now tions would inevitably grow. committed to doing "everything But, he added, a universal ban

As regards South Africa, the foreign Secretary said the code but one of the pressures for continuing evolution which it is minerals. vital for us to apply if a strategy for peaceful change is to be credible and successful."

are totally inadequate to the "We are living in the real need a policy which can scale of reforms needed," he told world," he added, "and this is a again demonstrate to

Dr. Owen said that if change other

DR. DAVID OWEN, in a major compel it would become irresistreassessment of Britain's policy ible, posing difficult decisions for flabor of British exports, twice
towards Southern Africa, said the international community. In
last night that the Labour the United Nations, the pressure
Government must make it unfor mandatory economic sancgovernment must make it unfor mandatory economic sancg

possible " to enable Africans to on trade with South Africa would win their "legitimate rights" in cause major problems and higher South Africa, Rhodesia and unemployment in British exporting industries—notably in the high dechnology and machinery sectors—and would disrupt of conduct recently adopted by industries at present dependent on imports of South African raw operating in the Republic was materials—principally chrome, and other manganese, platinum and other

redible and successful."

Hitherto, he said, the South disappear overnight without African response to international causing grave dislocation to the pressure had been to tinker at domestic economy and having the edges but stick to the fundase repercussions on the mentals of apartheid: "The level of employment," Dr. Owen minor changes so far registered said.

South Africa could not therefore and our motives suspect," he said will be not detailing any specific new initiatives, he said Britain now needed a coherent and sustainable Africa policy to last into the 1980s. "We now are living in the real and our motives suspect," he said while not detailing any specific new initiatives, he said the said severe repercussions on the mentals of apartheid: "The level of employment," Dr. Owen last into the 1980s. "We now are totally inadequate to the

trading partner on the African continent. "With the passage of time the overall balance of advantage must increasingly lie

with black Africa." Dr. Owen, whose statement was particularly committed and wideranging was also extremely forth-right. British colonial policy towards Africa had always con-tained contradictions and inconsistencies and a similar ambiguity persisted to-day. "Britain's generally good colonial record in Africa has become tarnished "Our economic links with in Africa has become tarnished South Africa could not therefore and our motives suspect," he

Young Fabians meeting in harsh fact which we have to take friends in Africa that Brighton. into account more than any socialism is international. European commitment against racialism total, and championing of Dr. Owen said that if change other Western European commitment against radid not come from within South country."

Africa, the external pressures to But he noted that last year, human rights universal."

decided on Friday not to impose an immediate embargo on rail freight to the East Coast ports because they had found no evidence of congestion. He added that the executives would be looking at the situation again Army tightens grip on Pakistan

PAKISTAN'S military regime will be taken when these cases tightened its control over the are complete, he added.

PAKISTAN'S military regime will be taken when these cases tightened its control over the are complete, he added.

At the same time, Ges. Zia bear for some time country this weekend after the martial law ruler, Gen. Zia-ui announced a ban on all political army officers to cancel the election.

About 80 people, mostly supporters of the former Prime would have to show far more rarrested as potential troubles with rifles patrolled the major cities.

Politicians will be allowed to meet on party matters and to lad been put off "to save the country from a dangerous crisis and been put off "to save the country from a dangerous crisis and to place the full facts of in- Khan, who on Friday announced diplomats say, Gen. Zia was and to place the full facts of former he was cancelling all engage given no choice and may have vestigations into the former he was cancelling all engage given no choice and may have to show an one political affairs if may wished to retain mation, Gen. Zia said the election.

At a Saturday broadcast to the issue Press statements, provided to meet on party matters and to expect the former he was cancelling all engage given no choice and may have exceeded the major.

At a Saturday broadcast to the issue Press statements, provided to meet on party matters and to place the full facts of in- ky and the closure of the country from a dangerous crisis and to place the full facts of in- ky and the closure of the meet of the meet of the meet of the was cancelling all engage given no choice and may have been left in control purely because of contract army officers to cancel the election.

Gen. Zia has for some time election.

Gen. Zia has for some time election.

Gen. Zia has for some time end of the election into many officers to cancel the election activity said many officers to cancel the election been any officers to cancel the election been any officers to cancel the election into math in the

tomorrow.
The strike was called when negotiations over a new three year contract for the dockers

Strike halts

container

activity in

U.S. ports

By Stewart Fleming CONTAINER—ship operation along the Atlantic and Gui coasts of the U.S. came to a hal

yesterday as Mr. Thomas Gleason, president of the Inter national Longshoremen's Asso-ciation, called 50,000 dock

The most immediate impa

of the strike is that the U.S. postal service has placed at

embargo on surface mail to and

from Europe, Africs, South America, the Middle East and the Carlbbean Because the

strike is selective and because

many container ships had moved out of port on Friday in order to beat the midnight

Friday strike deadline, there has not been much disruption in the

As the coming week progresses, however, the effects of the strike are likely to build up. A spokesman for the Association of American Railroads said

that senior executives bad

decided on Friday not to impos

workers out on strike.

arignt one ere!"



Or, meanwhile, backat "WhoppingbloomersLtd"FrancistheRep. getsoutofavery tight corner.

I'd been on the job all day. No, please, do you mind, don't be so.

You see, I travel in Ladies underwear, No, I don't wear it, deverdick - I sell it for

No really, have pity, I mean, you should just try flogging great thick bloomers nowadays. Anyway, I'd just got back to the office when the new cleaner came in.

Well, I know it's wicked to laugh, but really she had this, er; enormous, er, bottom. Honestly, it came in the door three minutes

And, before I could say anything, she'd

lowered it onto my lap. "Do you mind!, I said, You're squashing my aniseed balls!"

'Sorry darling' she said, 'I'm not that heavy You must be joking, I thought, but it was no

laughing matter when she said, 'Are you getting fresh with me?'.

'You should be so lucky' I said, 'the air in here's quite fresh enough for me thank you, 'cos we've got the new Advance ESF.' Who's that, Flash Gordon's uncle?".

"Il do the jokes if you don't mind' said !. But since you ask, it keeps the air really clean from stuffiness and smoke, even when the directors are puffing on their big Havana's

'I betyou've got a big Havana,' she said. Gordon Bennett!, she'll have to go,

in the Conference room!

'Listen Crab face', I said, 'We rent it very economically, it's part of the professional service we get from those nice Advance

There's no need to open windows, and unlike extraction units it doesn't waste heat. so the Company saves on its bills. In fact, they can afford to give me a rise.

"I'll give your a rise darling, she said. lignored her coarse remark, and continued. 'And the Chairman's wife needn't go mad ordering new curtains and things, cos the

deconstays deaner for much longer. 'Oh stop jawing' she said, 'I'm going to clean out Rumbold's drawers.'

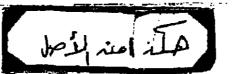
Oh well, I thought, whatever turns you on, But thank goodness for Advance ESF.

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Scope for big tax cuts forecast

for the gilt-edged market."

U.S. 'heads for further recovery'

The expected expansion rate the experience was a move back towards the conomy's longer-term growth minister for Housing and Conputential of 3-3; per cent. a year. The picture was far more hope provement work should be given indicated by the overful than indicated by the over-pessimistic reactions in the U.S. recently which had suggested. The Shelter report says: "The Housing Crisis Nationaide; of milk goes up to 13p ness that the country would soon hit further you go from London the Shelter Publications, 157, Water January with the ending of the new recession." It is moved for improvement you loo Road, London SE1 SUU; II, special subsidy

Report on beer 'contains errors of fact'

BY KENNETH GOODING

MANY CONCLUSIONS in the . Lezd to the demise of many

Home improvement funds distribution 'unfair'

BY MICHAEL CASSELL, BUILDING CORRESPONDENT

THE U.S. economy was heading for continued recovery, with the from London are receiving less west and Yorkshire and Humber to the U.K. — keeping butto for continued recovery, with the from London are receiving less west and Yorkshire and Humber to the U.K. — keeping butto prices down here at least unt annual rate of real growth than their fair share of home side each appear to have a Mr. John Silkin, Farm Ministe expected to be about 4 to 41 per improvement funds, according to funds than London, the capital allows some devaluation of the mist said vesterday, writes

THE REGIONS located furtheest seem to get. Although the butto.

admitted that the economic upaccording to the report which is
turn had moderated.

But the prospective growth housing expenditure to the levels
was a healthy sign, since the operating in the regions. There housing shortage is over, there
economy could not have sus-should be instead, a threefold is a continuing need to build
tained its previous pace without increase in improvement expen-

even greater priority.

THE U.S. economy was heading THE REGIONS located furthest seem to get. Although the north mist said vesterday, writes Shelter.

Michael Blanden.

Mr. Norman Robertson, chief But London needed "every shire and Humberside is received economist of the Mellon Bank, penny it is receiving and more." ing 162m." north is getting only 198m. York tate spring.

Norfolk, it has figures to show and falling consumption of hot that over-80.000 homes will be butter and milk. required in those regions over if the price of the desired pir

Butter stocks rise

MNANCIAL TIMES REPORTED

THE GOVERNMENT will have scope for substantial tax cuts over the next few years, according to the latest monthly review on the lates

rates and spending, there would fact.

In other words, the brokers say, "there is scope for tax cuts with jeopardising the recent improvement in the Government's finances." If the projections were correct, "some radii tries supplying the brewers and su goes up by £145 a tonne weer
the transition ends on January I,
In theory, this will bring U.K.
butter prices into line with the
rest of the EEC. In fact, the
will still be about 30 per cent
lower because the Gree
Pound — the EEC's exchange
rate for translating commo farm prices into sterling suil that much overvalued.

So the EEC exporters will str

get subsidies to cover the diffe ence on all the butter they sen to the U.K. - keeping butte

In any case, butter prices wi start to go up later in the yea

economy could not have sussimplified in the same and continuing need to build tained its previous pace without increase in improvement expension and disture concentrated in the England. It claims that while the change to full members activity.

The expected expansion rate the North.

The expected expansion rate the North.

Covernment says the housing shortage has been solved in the change to full members to short and the concentration of the North that while the concentration of the North that while the concentration of the North that while the change to full members and the concentration of the North that while the change to full members the concentration of the North that while the change to full members the concentration of the North that while the change to full members the concentration of the North that while the change to full members the concentration of the North that while the change to full members the concentration of the North that while the change to full members the change to full members the change to full members the concentration of the North that while the change to full members the change the change the change the cha

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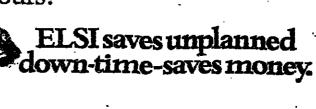
This has been achieved in two ways.

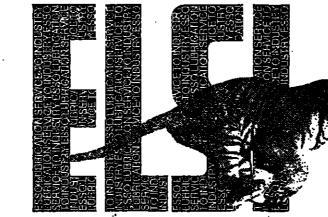
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LABOUR PARTY CONFERENCE PREVIEW

Heffer fears attacks Murray could split Labour BY JOHN HUNT, PARLIAMENTARY CORRESPONDENT

LORD MURRAY, the former

aide to Sir Harold Wilson, con-firmed on Saturday (bat be bad been given a £10,000 loan by Peachey Property and paid £5,000 a year salary as consultant.

But he denied that the loan had been made by the late Sir Eric Miller, former chairman of the company, or that there was anything sinister about the D25menis.

Sir Eric shot himself at his London home 12 days ago. Lord Murray, formerly Albert Murray, Labour MP for Gravesend, said: "I have done nothing that I would not stand

up in a court of law and defend.

"I took up a consultancy with Peachey in September 1976, after leaving Sir Harold Wilson's office in July. Was f expected to go to Sir Harold Wilson and ask him if it was all right?" He had offered to make available documents concern-

ing the loan and the consul-tancy to the Sunday Times, but the offer was not taken up,
"This could do me irreparable harm. Both Peachey and
the Sunday Times are suggesting that this money was from
Eric" (Sir Eric Miller).

A WARNING that the campaign He was particularly concerned session with 15 members of the against the Labour Left-wing about attempts to be made later Left-wing Tribune group. 11 could lead to a split in the his week to remove Left-wingers became apparent that the con- MR. PETER SHORE. Environ right to a free total on party as bad as the schism in from the party's national ference would not lack subjects ment. Secretary, and other European direct elections Bill, the days of Hugh Gaitskell, was executive. This would be unfor lively clashes between the leading Labour critics of the velconing Mr. Callaghar given yesterday by Mr. Eric Hef- successful in the constituency Tribunites and the party leader. EEC, yesterday reaffirmed their reference to the reference t fer on the eye of the Labour section, but the unions might Party conference. use their block votes to remove At the pre-conference Tribune Left-wingers in the trade union

Tribunites and the party leader- EEC, yesterday reaffirmed their ship.

هلاا من الأصل

The MPs on the platform were group meeting in Brighton, Mr. section.

unhappy at the Lib-Lab pact, Heffer, MP for Liverpool. Wal- If the unions succeeded in this demanded reflation to bring militaris in the constituency of Left-wingers, which would be the conference to approve proparty—could broaden into a the beginning of very bad days cedures to allow the conwitch-hunt against the entire for the Labour Party, he said, stituency parties to re-select Left.

During a question and answer their MPs at regular intervals.

direct elections. ton, said that the campaign—be it could lead to widespread down unemployment, called for Minister, will again face serious minister's power to reject a gun earlier this year against inquiries about the credentials further defence cuts, and wanted difficulties in trying to push the legislation from Brussels. Government's legislation through

Parliament next session. Neither Mr. Callaghan's state. Transformed ment on the Government's EEC. Mr. Shore, repeating his Liberals as a test of the Lib-Lah Marketeers.

MRS. MAUREEN COLQUHOUN, an active supporter of the Cambridge of the Cambri meeting in Brighton of the Prime Labour Common Market Safe- mented.

reference to increased Pari strong opposition to European mentary control over the EE it called for the ameadment no Their attitude suggests that session of the European Co Mr. James Callaghan. Prime munities Act to restore We

Labour EEC critics

again reject

direct elections

reform policy, nor the import that British membership of t ance attached to the issue by European Community should be challenged again in th pact, appears to have weakened Parliament, made it clear tr the hostility of Labour anti- he believed the entire shape the EEC could be transform

£1bn. tax relief is possible defends brokers claim Peachey loan

THE GOVERNMENT could give The Government could be an exira fibn. of tax relief tempted to go much further. The through higher personal tax Chancellor could inject more allowances in the expected than fibn. into the economy by economic package, says stock-backers. Phillips and Drew . The brokers also suggest in

their latest economic forecasts in VAT rates to 6 per cent. and approach the International Mone-tary Fund next month to 10 per cent to cost £850m—this would be enough on the brokers' lary Fund next month to 10 per cent to cost £850m—this would be enough on the brokers' hary Fund next month to 10 per cent to cost £850m—this would be enough on the brokers' hary Fund next month to 10 per cent to cost £850m—this would be enough on the brokers' hary Fund next month to 10 per cent to cost £850m—this would be enough on the brokers' hard for the cost of the co

Given the improvement in the next year.

UK's financial position since the But they believe that the end of last year, "it seems likely Government would prefer to cut that the IMF would agree to direct taxation further.

to cut indirect taxes.

negotiate the monetary ceilings year inflation rate down to single figures in the second quarter of

that the IMF would agree to direct taxation further.

some reformulation of this restriction acceptable to the Government."

In return, the Government ments this winter in the 15-20 per cent, range and that the increase will continue through next year as demand tightens.

Given a successful outcome to Given, this increase, the Government might feel it could

credit facility.

Given a successful outcome to the IMF discussions, "it seems Government might feel it could likely that some measures to alleviate unemployment will be announced before Christmas."

These could include further job creation and retraining schemes, and some extra public offset by a modest increase in spending on capital projects to some Excise duties and corporate taxation to leave a net figure of £2.5bn.

Left attacks Mrs. Colquhoun MRS. MAUREEN COLOUHOUN, an active supporter of the Cam- shouts and she was later accused

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Some casual building workers 'unavoidable'

BY JAMES McDONALD

industry, says Mr. Reg Prentice, former Labour Overseas Development Minister. The aim should be to "limit the casual element as far as possible and stabilise conditions to the mutual benefit of employer and employed."

Sorth-East and Minister of Works in 1964-68, adds: "I do not helieve that some degree of

Mr. Prentice writes in National not believe that some degree of Builder, journal of the National casual working in the construc-Federation of Building Trades tion industry is avoidable, nor Employers, that the Trades do I believe that it is as harmful Union Congress is an "avowed to those involved as its critic protagonist of decasualisation" claim it to be."

TOTAL DECASUALISATION is in the industry, while the Federa impossible in the construction tion, rightly in his view, does not

New insurance rules follow EEC pattern

NEW REGULATIONS imposing The industry says its present requirements of the EEC for solvency margins are sufficient to solvency margins of insurance avoid difficulty in preeting the companies have been published EEC rules, which in general by the Department of Trade.

Under the EEC directive last margin.

The industry says its present to be upder the judicional to present the solvency rules are to be upder the judicional transport.

introduced by July 1978. Rules tions, the present six U.K. classes implementing EEC requirements of general insurance business on classification of risks by U.K. will be replaced by the 17 set out insurance companies take effect in the EEC directive. at the New Year to pave the tions will be replaced from July These regulations are the first SI by rules requiring a British big stap toward a European company to maintain a margin

big step toward a European company to maintain a margin common market in insurance, based on the higher of two sums They are not expected to have calculated by reference either to a large impact on U.K. come its premium income or to its pames.

Three oil groups set up new medical service

BY RAY DAFTER, ENERGY CORRESPONDENT

British Petroleum, Esso and Shell—each of which is heavity rommitted to North Sea oil development — will be the industry partners in the venture.

The new company. Offshore Medical Support, will offer a medical service to the offshore industry including diving superators. EP (50 per cent.). Shell (25 per cent.) and Esso investment of £100,000 as initial financial support for the venture. The money will be long to the more specially designed premises which will belong to the university and which will be university and which will be ment of the Murchison and Tartan fields.

THREE OIL groups have joined Any profits made by the comAberdeen University to establish an offshore medical services Institute of Environmental and offshore Medicine for further development of the training and Shell—each of which is heavily research divisions.

Tanker rates improve but Outlook is pessimistic by our shipping correspondent

IN SPITE of a low level of business in those countries dependent upon again world tanker markets in those countries dependent upon like last week, chartering rates it for winter heating.

Rates for very large crude carriers (VI.CCs) and of the sulfant Tanker (shipbroking), Arabian Gulf last week were a sulfant Tanker (shipbroking), Arabian Gulf last week were a sulfant Tanker is based on 24. No fixtures of ultra large days single voyage flyings for carriers (ULCCs) were reported, this basels and similar rates but the rate forming the basis of negotiation remained un-

in apperation.

of negotiation remained un-There are not, however, changed at worldscale 19. coming weeks will be the vessels around world-scale 50.

General Cable International N.V.

accordance with the provisions of the above Notes. Trust Company, as Fiscal Agent, has determined be Rate of Interest payable with respect to Coupon No. cent (814%) per annum.

dober 1, 1977

Irving Trust Company,

Fiscal Agent

• METALWORKING

Treatment plant made to measure

WODULAR heat treatment plant For the small or medium-sized called the Valen furnice system, heat treatment specialist, the designed by ICI's Cassel Heat hoist unit enables manual pro-

hrough the various heat treat- ICL Millbank, London SWIP a minimum of six months to ensure that there is no deteriora-

Treatment Specialists, has been cesses to be mechanised giving 10 metres. It can also withstand relected for installation in the the advantage of precise move-fransmission Bearings Division ment without "inching" to guh at three metres.

of Ransone Hoffmann Pollard: achieve accurate positioning and "Tudor-Safety Glass Company, narking the first introduction of capable of operation simply by his novel plaint to the U.K. push butten, yet avoiding the industries, is producing Royal expense of full Doulton Vinylex glass to specific URIS after detailed discussion tively, it can be easily in requirements for security with the engineering industry, corporated into a fully automated is the first British company to and is easy to assemble.

Makes heat exchangers

modified by Senior Platecoil to sion.

Itake computer control, was built under licence from the American method has enabled the company, and installed at a new company, and installed at a new company, and installed at a new company at Milton Keynes.

Sion.

It improved production bombing situations.

Sion.

1.5 km. intervals and they are information required for leak oscillator, operating at a unique method has enabled the company at set to operate when the air location at the terminal stations. Irequency, is associated with company and installed at a new pany to cut the cost of the heat of the heat of the cost of the cost of the cost of the heat of the cost of the cost

actory at Milton Keynes.

exchangers by up to 30 per cent.

The machine can take 14 or 16 and to cut delivery time (in some gauge mild steel sheets. The computer controls the seam welding head (a form of resistance weldgauge stainless steel, or 12 or 14 circumstances) to 48 hours.

CONTRACTS AND TENDERS

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submit sealed Bids by quoting per cent discounts individually on each group of items. as provided for under Articles 4, 5, 6, 7, 10, 14, 15, 16 etc. of P.D.475/76 "re the implementation of

L.D.1266/72 concerning the execution of Public Works" (Govt.

Gazette A.172,76) for the selection of a Contractor who will carry out the building works and the electrical and mechanical installations of the Adult Vocational Training Centre (KEKATE) and Apprenticeship Centre (K.M.) located in SERRES of a total

value, according to the last estimate of the design, amounting to

Drachmas 116.500.000 under the following terms and conditions:

1. The Bidding will be held on the 15th day of November. 1977, and from 10 30 hours (latest delivery time of bid by the bidder) simultaneously in the Athens MEO Special Office for the Imple-

mentation of 2nd Educational Project. located at No. 8. 3rd September Street, and in the other MEO appropriate offices, located

at Serres. 2 Dem. Floria Street, before appropriate committees, that will carry out the bidding up to, and include, the review of

The selection of the successful Bidder will be made by the Athens

Committee on 5th December, 1977, at 11.00 hours in the Athens MEO Special Office for the 2nd Education Project, located at

2. Participation in the Bidding for the execution of works financed

3. To participate in the Bidding, the bidders shall submit a Bid guarantee amounting to Drs.2.330.000, i.e. an amount equal to 2%

of the total estimated cost of the works, in accordance with the provisions of Article 5 of L.D.1266/72 "re execution of Public

4. Participants may take cognizance of all relevant bidding docu-

ments and how to acquire them (i.e. drawings, diagrams, etc.) and

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(2) Foreign Companies or enterprises, whose main offices

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by Public Investments Programme funds is open to:

Reconstruction Works.

No. 8. 3rd September Street.

Switzerland.

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will kill a man a mile away a British company has succeeded in making bullet-resistant glass that will stop three shots from this rule fired from a range of gun at three metres.
Tudor-Safety Glass Company,

a Livision of Doulton Glass

offers versatility and reliability, handling arrangement.

Initial capital costs are low, and because the units are standard, the basic installation as capable of simple up-grading as production requirements levelop.

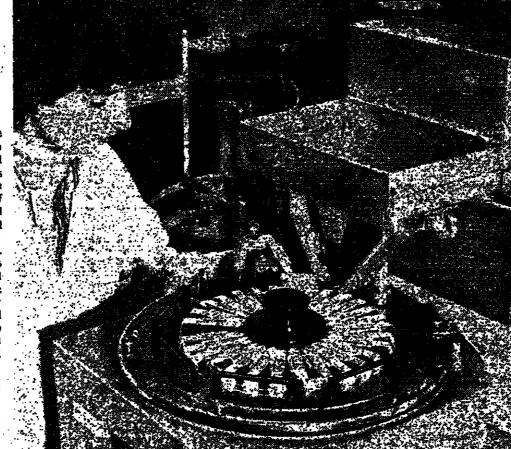
Upgrades may include an autonatic robot hoist to meet the nighest standards of environmental rontrol. The robot provides an effective solution to many component handling problems in the heat treatment and stry. A compact, self-conained conveying unit capable of solutions, the samples are strictly specified. As well as full protection from the provides and effective solution to many component handling problems in the heat treatment and stry. A compact, self-conained conveying unit capable of solutions are used as the most common form of automated all equipment needed for alined conveying unit capable of solutions and all equipment needed for alined conveying unit capable of solutions are used as the most common form of automated and vertical movements, it ensures efficient "point oppoint" transfer of components hrough the various heat treatment cycles automated with a programmer.

When used with a programmer in the hoist will repeat the more complex treatment cycles automated which delines the requirements which delines the requirements which delines the requirements the mark for bullet-sesistant which delines the requirements which delines the requirements are strictly specified. As well as full protection from the projective, the standard lays dowe that the glass should protect personnel against injury from savillable as a separate package in all the tests the samples have to be exposed to the weather for a minimum of six months to ensure that there is no deteriors.

Vinylex security and bullet resistant glasses comprise various laminates of glass thicknesses permanently bonded together with reinforcing layers of poly. • COMMUNICATIONS SUBSTANTIAL SAVINGS in ing) to weld the plates together production time and cost, and an to produce a pre-set waterway vinyl butyral. A laminated glass improved product, has been pattern.

combines the security advantages inclined by Schior Platecoil Pipe entries are welded into of plastics with the non-abrasive following the installation of a the flat plates, and are used to properties of monothing glass.

Postforms



Processing of blood samples taken by the Metropolitan Police for alcohol analysis could be speeded up considerably with the Vickers equipment shown here now under evaluation at the police Forensic Science Laboratory. Each year, this centre handles an average of over 21,000 blood samples and well over 40,000 analyses are performed since each specimen is analysed at least To handle this heavy work flow,

developed by Vickers Engineering design and projects division. This interprets bar code identifiers carried by a paper label on each sample which allows samples to be identified as they are tested in batches of 30 in a chromatograph. The data is analysed by computer and a file printed out for court

pair which terminates in each

suffice main station where it is monitored by a tuned receiver. Further from Fortronic (Fife),

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Tea Factory Karago-Giciye

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in the man pages, and are used to properties of mondathine gloss, companies controlled seam welds and it has the normal dear and the design and normal dear and it has the normal dear and the normal dear and the normal dear and it has the normal dear and into dear the normal dear and it has the normal dear and it has

setting of 162 kPa to below data and time-at which a par case. It receives power and transmits its tone along an audio

An infra-red heating unit N.20 (01446 4111) softens the laminate, which is then bent to shape by forming bars, over the pre-glued edge. Quadrant, semi-circular, and double reduce services.

Handling a big project

The vast amount of preparatory work that was needed before embarking on the Thames barrier project at Woolwich, part of the Greater London Council's overall flood prevention scheme.

Sixteen papers will be pre
The vast amount of preparatory work that was needed before embarking on the Thames barrier project at Woolwich, part of the Greater London Council's overall flood prevention scheme.

Sixteen papers will be pre
The edge double radius return profiles can be formed to a maximum depth of 65 mm. Heating and curing indicates when each operation is complete.

Well-MINATE suring and commission in additional commission in the second complete present and a hooter indicates when each operation is complete.

Without this the melamine would take about three months to cure.

The vast amount of preparatory environmental considerations, preliminary and commission, and final designs.

Sixteen papers will be pre
The vast amount of preparatory environmental considerations, preliminary and commission, is complete.

Without this the melamine would take about three months to cure.

The vast amount of preparatory environmental considerations, preliminary and commission, is complete preumatic constitutions, preliminary and final designs.

Sixteen papers will be pre-

of the Greater London Council's and final designs.

overall flood prevention scheme. Sixteen papers will be preis to be revealed at a symposium at the Institution of Civit eers, architects and specialists 3760 or 4200 mm. In a width automatic odge forming machine.

Engineers in London on Wedmesday (October 5).

The symposium is being held construction stage. Details of the by Rendell. Palmer and Tritton, symposium can be obtained, 80 to 90 per cent, under-cured to shoothters and construction supervision dell. Palmer and Tritton (01 928 sufficient overlap to form the project, and will cover 8999).

Three sizes are available to Output is about 19 worktops.

Three sizes are available to Output is about 19 worktops.

Three sizes are available to Output is about 19 worktops.

Three sizes are available to Output is about 19 worktops.

Three sizes are available to Output is about 19 worktops.

Three sizes are available to Output is about 19 worktops.

Three sizes are available to Output is about 19 worktops.

TR14 8DS (0209 712750).

TR14 8DS (0209 712750) deployed on other projects.

Powerful actuator

buttons to select the two digits of the receiver to be called. OPERATED By the standard progress and a digital display of psi air line used for pneumatic gives assurance that the correct valve actuators a side mounted OPERATED BY the standard valve actuators, a side mounted diaphragm actuator has been receiver has been keyen. The unit will work with the comdeveloped by Masoneilan in the U.S. which multiplies the diaphragm force by up to six times.

The many is the Table of the unit can be fitted with a contract of the unit can be fitted with a contrac compared with the conven elip-on speech unit for hospitals

The company has introduced speech is permitted on VHF. The arange of globe valves, designated Sigma F. incorporating by a spoken message from the new type of actuator. They are claimed to provide tighter shut-off and better plus stabilism. shut-off and better plug stability. can be activated by an alarm con-The range covers valve orifice tact (on a door for example) to diameters from 1 to 12 inches. call a specific receiver used by a and operating temperatures from mobile security officer, on the -200 to +450 degrees Centipremises. More on 01-253 7611. grade. Thre actuator sizes cater

for the entire range. All moving parts are totally enclosed, making the valve suitable for corrosive environments Latest development of the company's Camflex automatic control valves is to enclose all moving parts—the valves are also fitted with more powerful positioners.
U.K. office of the company is at Controls House, Park Royal Road. London NW10 7LD (01-965 S866).

Smaller

A SAVING of almost 50 per cent. in both weight and size is elaimed for a compact diesel air filter being introduced by Donaldson Europe for OEM applications on long-distance

Called the Konepac, it is the first of a range of dry-type filters now being developed. The company says that the reduction in size is achieved by a chemical ireatment of the filter paper which improves its efficiency. and by giving the element a conical instead of cylindrical

Using a conical element allows an increase in the diameter of both intake and outlet opening giving a better air flow. The housing remains cylindrical Filters measure 154 to 274 inches long by 8 inches diameter weigh 3) to 5) lbs. and provide air Row capacities from 600 to 1300 cim - enitable for engines from 250 to 430 hr. from 250 to 430 km.
Donaldson Furope SV is at Interlegment and 1, B-3044 Leuven Belgium.

the Norwegian SESAM 89C

terminals installed on customer its latest moye is to order 200 premises.

SESAM is pased on two control portable data capture devices from Plessey. These will be cepts known as the super ele-lightweight 1450 units with ment technique, and automatic mesh and element generation, light pen reading of bar codes on goods and keyboard sairy of to build up his model from other relevant information of the combined orientated and referred in any manner the engineer wishes to produce the desired model simply and effectively. Up to ten levels of super element assembly are possible.

Automatic data generation is an integral part of the programs, allowing the user to produce a three-dimensional mesh for which elements are automatic data capture devices will take over the last six years.

Automatic data generation is an integral part of the programs, allowing the user to produce identification and numbers.

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even the largest of structures. stories

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offices throughout the U.K. or of this technique
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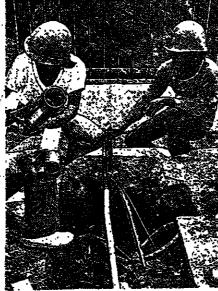
BICC-people who make things work

hinchtime drink provides three BICC Globetrotters with a raré opportunity to swap anecdotes about their hobbies — and to talk of the business challenges that have taken them across the world.

Laurence Brookes talks of rugby — his disappointment at missing Saturday's rugby match and his club St. Helens in triumph — and of Indonesia, the reason for his absence. He outlines the major logistics problem that has taken him to Indonesia — the supply of labour, material and equipment to no less than a dozen sites in the country where a BICC team is installing a £54 million telephone network. He talks of personal pressures — particularly pressures of time, getting the right plant and equipment to the right site when it's needed - and of the challenge of maintaining effective liaison.



Expert training and supervision by expetriate BICC staff enables unskilled labour to play a major part in installing BICC cable for Indonesia's telephone





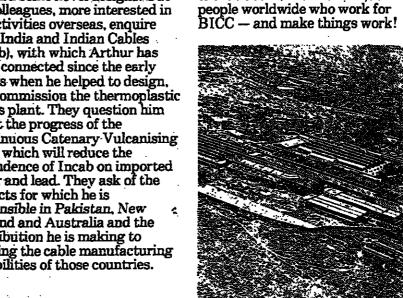
Optical Fibres ... television pictures via glass fibres slimmer than a pencil point.

 of a new technology which is about to revolutionise communications. For Ray, a research physicist, has devoted the last seven years of his life to work on optical fibre cables, as part of an eleven-man team. whose research has contributed to the world's first commercial installation, in a cable television distribution system, of this unique type of cable.

Ray tells of his travels. investigating suitable qualities of fibres and working towards international standardisation of the new materials.

Yet he still finds time for his hobby — photography. As he points out, his 'portable' hobby goes with him on his business trips, and his photograph album is worthy of any world traveller.

conversation to D.I.Y. - puts forward some novel designs. But his colleagues, more interested in his activities overseas, enquire after India and Indian Cables (Incab), with which Arthur has been connected since the early been connected since the early
1960's when he helped to design,
and commission the thermoplastic
cables plant. They question him
about the progress of the
Continuous Catenary Vulcanising
plant which will reduce the
dependence of Incab on imported
paper and lead. They ask of the
projects for which he is
responsible in Pakistan, New
Zealand and Australia and the Zealand and Australia and the contribution he is making to building the cable manufacturing capabilities of those countries.



Main cable plant of the Indian Cable Company Limited (Incab), at Jamshedpur.

player, photographer and D.I.Y. enthusiast. Three of the 54,000

the world's foremost cable manufacturers and designers; but also deeply involved in the refining and fabrication of metals; heavily committed to research heavily committed to research and development in new communications technology; with a major stake in civil engineering and contracting through Balfour Beatty, a BICC company; possessed of hard-won skills in tunnel design and construction; and railway electrification; with specialist expertise in industrial plastics electrical accessories plastics, electrical accessories, capacitors, printing plates...One thing makes it all work. One thing makes BICC a stable, successful, growing company that competes successfully in so many different

The quality of its people. Highly trained people committed to getting things done — better than before — for the benefit of all of

This booklet tells something of the range of skills of BICC and its people, something of their achievement, and indicates a great deal about their promise for the future.

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for extensive pipework.

ashestos coment pumping train wimpey has just been awarded buildings access roads, foundated a figure of the construction of tive buildings, water supplies a major commercial vehicle and mechanical and electrical which the company has been of Hamriyah.

Frimed by the reneral Military Government and Steyr-Daimler-Puch AG of Austria.

Primary recipient of the award was George Wimpey and Co. Nigeria, and the project is to build the plant at Bauchi in Northern Nigeria. Work in Starting, immediately and the installations by November next Property Services The project entails the control of the project entails the control of the production of

Steyr-Nigeria is a company formed by the Federal Military Contract for site preparation.

Government and Steyr-Daimler
Government and Steyr-Daimler
Meanwhile back in Britain

Meanwhile back in Britain

Variety of contracts

Variety of contracts

ORDERS around 23m. have tions and extensions to the been received by Rush and control room at the Nitram 3 Tompkins. The largest order, valued at £1m. is for the construction of 73 dwellings at \$100 fteel for the Borong of Street for the Street Fo

Local housing solutions

CONSERVATION

Refurbished

as new tenant areas.

Laing in

berg Mardail.

WIMPEY, which over the years retail price of the proposed problems of many local authori

BRICK

and a LOT MORE,

IS BEAUTIFUL

Wiltshiers wins £3.6m. restaurant and kitchens, as well

false. Since the contract calls for administration block is called two- and three-storey build- for as well as a workshop, ings. Architect is Angurin John, block, kitchen and dining by

THREE awards totaling just are expected to start very so over £3.6m, have been made to withshiers, the Kent construction company.

The largest is for 116 houses, alterations and extension with fats and maisonettes for the fats and maisonettes for the forming £1.2m, at a former growth of Bromiley at the junction of Palace Road and Isleworth. Middlesex Erect the fats, the second of Bromiley at the junction of Palace Road and fitting out of a single-sk £1.48m, this contract calls for administration block is called the same of the palace Square. S.E.19. Valued at administration block is called the same of the palace Square and fitting out of a single-sk administration block is called the same of the palace Square and fitting out of a single-sk administration block is called the same of the contract calls for administration block is called the same of the same of the contract calls for the same of LANDMARK for those on vital convoy work during the war. Royal Liver Building at Pier Head. Liverpool, is to be extended and a supermarket for J. ciation with the Samshury. Total value of this borough architect for the sively modernised by Bovis work is 2954,300 and operations don Borough of Hounslow under an award which will be-

pleted in August 1980 and this Unfinished extremely difficult operation will be carried out by Bovis Con-struction with the aid of Arup Associates, designers for the block is torian stucco-taceu included in Rembridge ing with flats above in Pembridge project. Square. London. W.2. The conversion work will provide 11 flats yersion work will provide 11 flats on three floors, a new roof struction three floors, a new roof struction at Heol Las. Associated project. Additionally, Bovis has won a project.

UNDER A completion contract worth £3m., Holland, Hannen worth £Sm., Holland, Hannen and Cubitts has resumed work on a 19-storey office block in Bristol where operations were suspended some two years ago when the original developers, the office block extension and Commercial Property the office block extension. Town and Commercial Proper the office block extension BY FAR the largest award in ties, went into liquidation. be reinforced concrete pile cap the close on £7m, worth of busi. The 74 metre high block will employ be my on existing

which ends at the approac Parkestone Quay, Harwich, It will include a massive re about incorporating an A prefabricated steel bridge. Roadworks is a wholly-o subsidiary of Jackson Grou

IN BRIEF

 Costain Construction bas be reinforced concrete fran

The construction of a motor. In the South-West the Bristol has been exporting crude oil idea of the total cost of the programs of Hackney valued at jobs for the Bristol Corporal and two since 1967, but has no refinery ject, but power and desalination organs of Hackney valued at jobs for the Bristol Circums. Borough of Hackney, valued at jobs for the Bristol City Corpora- and has to import processed schemes as well as extensive £580,000, comprising machine tion valued in excess of £4m. fuels. £580,000, comprising machine tion valued in excess of £1m. shop service bays, administration. Meanwhile, new civil-engineerbuilding and welfare facilities, ing orders totalling £1.5m. systems is in the capital area, install.

Christian Salvesen has placed and Mallik, the recentlyan order valued at £80.000 for a acquired subsidiary of Alventage and Mallik.

Christian Salvesen has placed and Malik. the recently and order valued at 280,000 for a three-storey administration building at Borehamwood. Herts:

The Scottish region of Rush and Tompkins has started work and Tompkins has started work for the Department of the Environment constructing a drum dynamometer laboratory at the National Environment of the Scott Wood Lane. The work is being carried out and reconstruction of about the close on frm. Martine to the test of the deams on training and economodation on 17 floors. A LENGTHY contracts on the spiral exposure of the test of the construction on 17 floors are stension operation on an exist. Architects for the completion are setablishment at Elmu moundation on 17 floors are fever of the test of the contract from Dumfries and Tompkins has started work with holdings, moundation on 18 floors and reconstruction on

renovation

and Tompkins has started work widening and reconstructing the Department of the Department of the A74 Carlisle-Glasgow trunk road forth. Leeds.

The Movelem Northern of Horsh Environment constructing a drum dynamometer laboratory at the Holestane bridge, on the Holestane bridge, on the Holestane bridge, on the A792.

At Billingham, Cleveland, the Major of ICI has walk in Wilford Street, Northing office of Rush and Tompkins to construct a new maintenance Hill Station, South London is for south office of Rush and Tompkins to construct a new maintenance Hill Station, South London is for by Movelem Northern of Horsh Environment construction of the Department of the A74 Carlisle-Glasgow trunk road for the Construction of the Department of the A74 Carlisle-Glasgow trunk road for the Construction of the Department of the A74 Carlisle-Glasgow trunk road for the Construction of the Construction of the Construction of a peripheral vehicles sales depot for Continental Illinois National extra accommodation of about 51,000 square-feet.

The biggest, worth £1.m., in Construction of a peripheral vehicles sales depot for Continental Illinois National extra accommodation of about 51,000 square-feet.

Laing has also taken a construction of a peripheral structure of the Porternewton housing scheme. Other contracts are a commodation of about 7 the work is being carried out and reconstruction. Provides a Bradford: Bank and Trust Company and 51,000 square-feet.

Laing has also taken a construction of Laing has also taken a construct a flux basements and eight upper treat worth 1975,000 under which basements and eight upper treat worth 1975,000 under with build council homes for Doncsert; alterations to Warf flows: It is to be completed by it is to ope on the refurbhishing premises for F. S. requires the rehabilitation of the Porther Viving and involve extensive dout and involve extensive and involve extensive dout and involve extensive and involv

Times block £7m. award

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Compare the costs.

Here's a typical example, for an 80m3 semi-detached house.* The capital cost of fuel-fired, piped central heatin and indirect water heating, with insulation to Building Regulations, is around £750. For a system of electric storal radiators, panel heaters and water heating, plus extra cav infill and roof lagging, the current capital cost is only arou £550. And the estimated annual running costs, allowing fo varying lifestyles and comfort requirements, are both will the range £140-£160.

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CHANCES

Getting ready for the

WINS THROUGH

The second secon

he Executive's and Office World

Sue Cameron looks at some of the criteria involved in producing employee reports

Getting the message to sink

PAST year has seen a factory their employees will all A glossary can be useful, part the company could be believed, ment prospects for the coming

Market and Opinion Research International is one of a handful international which carry out Market and Opinion Research employee report. surveys of internal company communications and of workers' attitudes to employee reports. Mr. Bob Worcester, the conpany affairs.

> it is not surprising that the pub-lication of an employee report
>
> Vet the third major is often welcomed by workers coming of many employee rewho see it as a sign of a more ports is that financial terms are International has surveyed open and consultative approach not sufficiently well explained. by management. He adds that employee reports can do much is not easy to find the correct to break down Them and Us balance between clarity and Many of the findings are borne attitudes within a company patronisation. But he reckons out by one it has just com simply because the workforce it can be done and insists that pleted for Metal Box. no longer feels excluded from it is important for the writers. The sample of Metal Bo the mainstream of events. Yet of an employee report to try. although employees may give a Abstract, mathematical terms survey—400 employees, includcompany credit for merely pub-should be avoided wherever ing managers, from 13 different lishing a popular version of the possible, he suggests. The use sites—all filled in three-page annual report this does not of percentages is one example questionnaires on the strict mean they will be uncritical of Most people do not think in understanding that replies Ethe document itself, particularly percentage terms and state would be anonymous. Among lafter the first time round, ments to the effect that a com. other things, they were asked facilities. Studies suggest that many pany's turnover increased by what they particularly liked organisations make three major 10 per cent over the year are and disliked about the commistakes in the way they bring often meaningless to the pany's, employee report, how

of reports around the office of year.

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run.

1.4

anden burgeoning of competi-come up and take one. They ticularly as some employees will Approximately one third of year. Only 22 per cent. extions and awards for "the best further assume that every copy feel cheated if their report the respondents said they had pressed any great interest in will within a company's work- obviously no point in producing who know how to read balance- did not look at it at all. force—at least until the novelty an employee report — however sheets but it will help the Studies of reactions to a num- it. Yet distribution is not a hard the wrong side of an accounthat counts with many workers. to people while they are at work the studies done by Market and

Talk down

in employee reports, according cern's managing director, says to current research, is that they "For the individual to be that far too many organisations talk down to their readers. The interested in company results, devote virtually all their ener. use of cartoons to explain a we have found that an employee ges to telling people what to company's finances, for in report must show how they do and informing them from on stance, often lend a condescend- affect him." Mr. Worcester says, high of what has already been ing tone to a report. Jolly little "Our studies suggest that decided. As a result, employees gnomes carrying bags of gold people are not anxious for tend to feel uninvolved in com- may be more suited to a child's financial information per se, per cent, of the sample had "a believe it "about half the time." reading primer than to a report What they want to know is how He says that in view of this naturally, most workers resent to influence such things as designed for adults. Not un company performance is going Metal Box business and employ- ings show that the credibility of they know that a survey is being On the other hand, a com- thinking.

Yet the third major short-possible plant closures."

good - if hardly anyone reads people who find themselves on

Even when people find a parti- or they can be posted to their Opinion Research International Figure report boring or patronis- homes, although this method is is that employees want informaing or atterly confusing, they more expensive. Another possition that relates directly to their estill appreciate the gesture on bility is to turn one issue of a jobs, their performance, their the part of senior management, company newspaper into an factory and their prospects. On the whole, people are not terribly interested in the results of overseas subsidiaries or even in the productivity of a company One of the commonest faults plant 50 miles from their own

wage levels, job prospects and

Mr. Worcester admits that it workers' reactions to about 20 different employee reports.

people who took part in the out reports for employees. It is much of it they had read, what schemes back to a property of employees. It is much of it they had read, what schemes back to a property of employees. It is much of it they had read, what schemes back to a property of employees. It is much of it they had read, what schemes back to a property of employees. To begin with, some comprobably better for an organisative they thought about Metal Box policy basis when there were no probably better for an organisative they are still premium level down and BUPA is adopting the view fixed a maximum feet of extra 235.25 in the provinces. They sufficient tion to say that it has produced profits, whether or not Metal premium level down and bupA has kept the view fixed a maximum feet of extra 235.25 in the provinces. They are still regarded of its attractions. Of course, scribe to Company Care while £15.000 per person.

Eric S the information given out by

amployee report." Yet now it will be avidly read. Mr. does not include a fairly tradi- read most or all of the employee the company's overseas actividesigned employee report can the company's overseas activides to profits showed a designed employee report can tion's research shows that this pany affairs. A glossary is they had "just glanced through Attitudes to profits showed a special employee considerable good ion's research shows that this pany affairs. A glossary is they had "just glanced through Attitudes to profits showed a still generate considerable good- just does not happen. There is neutral. It will not insult those it " and 15 per cent. said they certain ambivalence. Over 90

Most people thought the report had been produced to keep to plough back into the comber of different employee reproblem to solve. Copies of a tancy language barrier.

ports suggest it is the thought report can be handed personally One of the chief findings of ceeded in this second aim, for ceeded in this second aim, for higher profits in order to pay the majority of respondents said higher wages. Yet 22 per cent. the thing they liked most about of those who took part thought it was the fact that Metal Box that companies' had taken the trouble to pro- Britain were too high. duce it. In addition to this, about 80 per cent. of those who took

> from the criticisms that were put forward. Some people said report was too complex while others claimed that it was over-simplified. A number of respondents criticised the them, 57 per cent. said they graphics that had been used.

lot of interest" in learning about Mr. Worcester says these find- ployees are less suspicious if

part said there was nothing they cent. of the sample thought particularly disliked about the Metal Box kept employees fully No clear pattern emerged The replies showed that 70 15 per cent. said they could

In streamlining the adminis-

هاذا من الأصل

per cent. of respondents agreed or strongly agreed that Metal Box needed to keep some profit pany. About 70 per cent. also agreed that Metal Box needed

The survey found that 15 per above average. The experience of Market and informed, 49 per cent, thought they were kept "fairly well informed" and 25 per cent, companies are highly suspicious a market research establishment, that the suspense are highly suspicious a market research establishment, makes it worthwhile for the information ment, makes it worthwhile for the project of the information ment, makes it worthwhile for the project if the information ment, makes it worthwhile for the project if the information ment, makes it worthwhile for the project if the information ment, makes it worthwhile for the project if the information ment, makes it worthwhile for the project if the information ment, makes it worthwhile for the project if the information ment, makes it worthwhile for the project if the information ment, makes it worthwhile for the project if the information ment and the project if the project if the information ment and the project if the claimed that the company gave them only a limited amount of assurances of their employers. a company to bring in an research shows clearly,"

Mr. Worcester says that in the external agency.

Worcester says, "The higher rest respondence of their employers."

Worcester says, "The higher rest respondence of their employers." cent. said they could always past respondents to his organibelieve what Metal Box told sation's surveys have gone to come cheap. Mr. Worcester

Mr. Worcester claims that em-

Metal Box is good-certainly conducted by an outside organ- pany which decided to monite Opinion Research International along with the statistical and a considerable amount of mone

Some different approaches to delivering the corporate message.

extraordinary lengths to check estimates that a survey of that they understand the at-that their replies really would roughly the same size as that But it is also true that the be anonymous. cost in the region of £3,000 to £3,500.

isation and not by their own its communication system management. He says that this, internally would have to inve-

INVESTMENT

that they understand the athigher up you go, the less like, it is that managers will real know what their workforce

Medical insurance for the smaller groups

ONE EFFECT of successive pay levels of cover, one for major kept under constant review in when pay limitations are fur- pany? Employees in the 30becoming increasingly is usual. But no attempt has in launching its plan. Market schemes. popular before the current pay been made to link premiums to ing conditions under the pay policy was the provision by a particular company's experi-

pay restraint has not yet put employees. company medical insurance has to be taken into account in the size and scope of any wage settlement and will be subject to the 12-month rule. Nevertheless, British United

Provident Association last week felt that conditions were sufficiently relaxed to launch a new medical insurance scheme, called Company Care, which is aimed at the smaller companies or those where only a few persons will be covered. BUPA's to be to attract new clients which do not have an existing scheme. Rather the first priority has been to produce a system that has several improvements over existing arrangements for the smaller company, and perhaps to attract cilents who are at present with other

Competing

One effect of the pay policy has been to restrict, if not dry up, the flow of new schemes. Thus the few operators in this field are at present competing with each other for a limited amount of business. In May, Private Patients Plan, the other main medical insurance agency. produced its premier health plan which was available for either individuals or small groups. This provided a competitive edge, so it was only to be expected that BUPA would sooner or later bring out an improved version of its own

individual rating and made allowance for the claims experience of each participating company. Thus companies with only a few claims would pay lower premiums the following year and vice versa. In contrast, BUPA has gone for simplicity

in its design.

The plan offers two basic

Business

October 19-22. Sw.Frs.690. Further details

from ESOMAR Central Secre-

Amsterdam, the Netherlands.
Labour Relations in Europe.

Management Centre Europe,

Brussels, October 19-21. Fee:

B.Fr.21,200 for MCE members,

B.Fr.23,550 for non-members. Further details from Manage-

ment Centre Europe, Avenue de

Improving Organisational Com-

munications, Brunel University. October 19-21. Fee: £145. Details

from the Management Pro-gramme, Brunel University, Kingston Lane, Uxbridge, Mid-

Modern Executive Accoun-

Modern Executive Accountancy, The London Hilton Hotel. October 6-7. Fee: fi10 plus VAT. Details from The Inbucon Management Development Service, Knightsbridge House. 197. Knightsbridge, London. S.W.7. Management Development for Engineers and Technologists, Washington Hotel, London. October 18-19. Fee: £95 plus VAT. Details from ASM, 565, Fulham Road, London, S.W.8.

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courses



restraints has been to focus hospitals in London, the second case claims become higher than ther relaxed or when the main age range will need a contrib attention on the value and use for hospitals in the rest of the expected. BUPA will be review- body of employees demands it, tion rate of £70.50 each year i of fringe benefits in the overall country. Each level has its ing premiums every six months, they could switch to its main London or £51.50 in the pr remuneration package for em- own premium scale with pre- But BUPA has not ignored plan for company medical vinces. The difference arise ployees. One such benefit which miums increasing with age as the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new business insurance provision — Bulk mainly from the higher according to the possibility of new bulk mainly from the higher according to the possibility of ne

companies of medical insurance ence. The same scale applies guidelines are now much more approach, BUPA has introduced flexible. While it remains un- automatic uprating of benefits hospital, but only £276 per weeenabling employees to make use to each company, although there likely that the rank and file within the policy year, so that in a provincial hospital. The ing to the number of employees would be prepared to forgo when paybed charges are made employer can extend the benef Unfortunately, the easing of covered: it will cover up to 50 part of a wage increase for in April, the company does not medical insurance, the top have to re-arrange its insurance and children. executives may well accept such cover until the next policy the cost is double, while for renewal. In addition, BUPA has children under 18 it costs at BUPA is adopting the view fixed a maximum level of extra £35.25 in London an

pitals—at present the NH; In keeping with its simple charges £388 per week for

to include the employee's wif

Eric Shor

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David Fishlock, who recently saw the explosion of the European satellite at Cape Canaveral, reports.

Plans for the piggy-back space spectacular

The temper of Labour

FINANCIALTIM

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Monday October 3 1977

elements in the party, and han on Friday. This neatly out last conference before a general purpose election: and it is clear that a Sacred cows repeat of last year's disastrous shambles, when the Left went on the rampage, would finally put paid to any faintly reviving hopes of a Labour victory.

The economy

of much criticism, and we can best known. expect strong appeals to the Chancellor for an immediate from the practical point of view, reflation. There will also, no as well as the most adroit doubt, be a repetition of union politically, would be to allow attacks on incomes policy in re-selection to go forward but general and especially on the only on the basis that the entire Government's attempt to influ-ence the wage settlements of the constituency, most of which individual firms. But, unlike is likely to be moderate, should last year. Mr. Healey has got participate in the selection pro-some tangible, if still modest, cess. The party's willingness formed in the last 12 months, wing takeover, once the conand a dawning optimism, how-ever precariously grounded in moved, is the most formidable reality, will probably be enough deterrent to a vast number of to sweep aside the Left's com-voters and, while the mythology

duced a strongly anti-EEC docu- ally worthy of moderate support Boeing 747, is a manned

Overlap

The military

THE LABOUR Party con-Labour movement to accept the in permanence of Britain's memlikely to provide the floating the most notable of a number voter with very impressive of senior anti-Europeans both in throughout the Apollo proevidence of the unity and Parliament and outside who responsibility of the Labour have been shifting their ground. movement. Labour conferences This shift, which owes a good to pay the successful contractor seldom do. Indeed, the whole deal to the firmness of the Prime to cart the steel skyscraper procedure of these occasions Minister and the new Foreign might have been expressly Secretary, has been consolidated designed to give the maximum in the skilful letter on European publicity to the most extreme strategy released by Mr. Callagto disguise the underlying flanks the NEC paper by adoptstrength of the moderates in ing some of the main complaints the unions and in Parliament, against the EEC, softening them Nevertheless, as Labour con-rationally, and then setting and machines into orbit at a ferences go, this week's affair them firmly in the context of a fraction of the cost of to-day's may well turn out to be surpris- determination to improve the ingly tame and well behaved. Common Market from within. The entire party and, above all, The Prime Minister's is not the union leaders are aware exactly an ardent Europeanisi engineering structures built in that this could easily be the document but it serves its the 1960s for a new and signifi-

The most sensible solution

successes to show off and a to adopt such a democratic and then quickly prepared for credible promise of more to scheme will be an important its next mission. Each is exeredible promise of more to scheme will be an important its next mission. Each is excome. Psychologically speaking indication of its real temper at nected to undertake at least 100 summer to place a European had broken.

But the week in which NASA corroded boil on the mcLounien over, for the mission of the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the second time this Douglas 3914 launch vehicle pean Space Agency took out deciding on the next space failed for the se of the Labour Party demands On Europe, the Left is in that certain rituals should be free flight in California last although I know a lot of my spaceport 54 seconds later. First the tune of about \$29m. covereteat. It is true that the observed, the most convincing month after being launched hear me say it, we do need to rocket had failed—a premature launcher and the costs of a six-

dimension BY COINCIDENCE rather than the maintenance of the strategic design, the three principal nego- balance of power would not tiations concerning East-West necessarily have been assured

detente are simultaneously on into the 1980s. tering a new phase. The first There is a case, in the strategic arms limitation agree- interests of Soviet-American ment (SALT 1) between the relations, for going for a Vladi-U.S. and the Soviet Union ex- vostok-type agreement now, but pires to-day. A new session of only on two conditions. The first the talks on mutually balanced is that it would have to be force reductions (MBFR) in accompanied by a commitment Greenback Central Europe opened in to enter immediately into nego-Vienna last Friday. And the tiations for a much more radical revolutionaries review conference on the im- SALT 3, which would actually plementation of the 1975 include weapons reductions. The A bizarre financial riddle had to Helsinki Agreement on security second is that nothing should be solved during the negotia-and co-operation in Europe be done either to impair U.S. tions that ended last night when (CSCE) begins in Belgrade tomorrow.

relations with Western Europe the hi-jacked Japanese airliner
or to prejudice MBFR. It is finally took off from Dacca. The
possible, for example, that the terrorists had said that the plane All of these negotiations are tions on the deployment of from Tokyo should also contain related, at least to the extent Cruise missiles in SALT that the \$6m. ransom—and that twothat a breakdown in one of would make it extremely diffithem would almost certainly cult for the Europeans to deploy
have harmful effects on the Cruise missiles of their own. It
The Japanese Cabinet submit-

others. There are also areas of is equally possible that the ted to the terms. But where overlap in that there are certain Russians might be allowed to were the dollars to be found? weapons, for example, that keep weapons which do not That may seem a ludicrous depending on one's definition of count as strategic under the question, since everyone knows "strategic," could be dealt with SALT definition, but which that Japan has vast foreign either in SALT or in MBFR, would be certainly considered reserves (\$17.5bm., in fact). But There is an overlap, too, be strategic if used in Europe.

measures designed to remove can only be avoided, however, if have been starved all summer some of the secrecy that surthere is still closer consultation of dollar bills.

The Japanese as individuals

a successor is not in itself very Security a successor is not in itself very serious. Both sides have insisted that they wish to continue negotiations, and both appear to mean it. Indeed there could there could be more closely mean it. Indeed there could the serious and some serious and some serious. Both sides have insisted dollar bills, reached unprecedual around together by helicopter: solliess office block in a rather diplomat—culminating in a dollar bills, reached unprecedual around together by helicopter: solliess office block in a rather diplomat—culminating in a dollar bills, reached unprecedual around together by helicopter: solliess office block in a rather diplomat—culminating in a dollar bills, reached unprecedual around together by helicopter: solliess office block in a rather diplomat—culminating in a dollar bills, reached unprecedual around together by helicopter: solliess office block in a rather diplomat—culminating in a dollar bills, reached unprecedual around together by helicopter: solliess office block in a rather diplomat—culminating in a dollar bills, reached unprecedual around together by helicopter: solliess office block in Croy-spell of duty at the French banks have been importing their a stevedores' strike was just don, where 11 magazines don, where 11 magazines don, where 11 magazines are Embassy in London—may now greenbacks direct from the U.S. about to start. The immediate furned out by 30 journalists. mean it. Indeed there could related to USCE. Any relaxalized by the suidelines lack a military dimension. At agreed by President Ford and the same time, the main reason the Soviet leadership in Vladi- for the increasing suspicion of the suidelines are not nearly so sharp that the Danish public will take the problems. Indeed there could relate to U.S. about to start. The immediate curried out by 30 journalists, come in handy; perhaps he will outlook at the PLA is far more Managing director John Copetion to start. The immediate curried out by 30 journalists, come in handy; perhaps he will outlook at the PLA is far more Managing director John Copetion to encouraging, but Cuckney says the discussion of the Bank of Japan had to do it none the less "faces massive problems."

The immediate curried out by 30 journalists, come in handy; perhaps he will be discretely occupied with nan sees trade and technical publishing as a very stable problems."

The time of outlook at the PLA is far more managing director John Copetion to outlook at the PLA is far more managing director John Copetion Copetio the Soviet leadership in Vladi- for the increasing suspicion of vostock in 1974. President Carter the Soviet Union in Europe has chose to go for something more been the size of its military on the grounds that such a SALT build-up. If the Russians are the ransom plane shortly before a would merely have repeated seriously interested in security.

On Friday, \$4m. in \$100 notes

Was hurriedly flown across the ward to playing an active role as you have in the national in helping to rehabilitate to the Press," he told me sympathed derelict areas of London's dock. tically.

2 would merely have repeated seriously interested in security the shortcomings of SALT 1: the and co-operation, they could be cellings on the numbers of asked to show it by adopting a strategic weapons would have more relaxed military posture been too high: there would have That could be done either by Docks debut been insufficient curbs on new strengthening the security protechnological developments, and visions in CSCE or by move the scope for continued competiment in MBFR. Either way, it in America, before flying back of great penetrating power, what was wrong with Reclamation would have been such that should not be overlooked.

to London at the week-end, was which was well tested in sort-tion Industries International, tion would have been such that should not be overlooked.

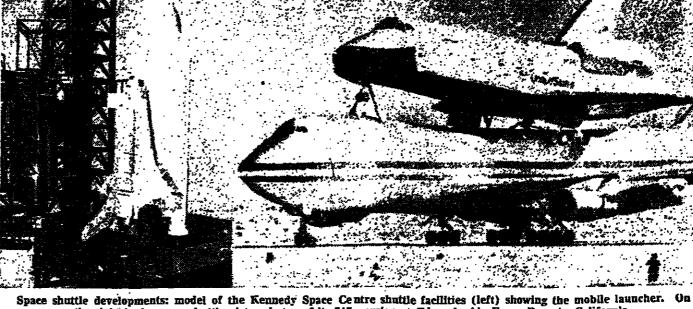
T THE Kennedy Space Centre at Cape Canaveral in Florida, the spacewhere America's astroembarked for moon, they are inviting bids or dismantling a towering 10m. lb. steel structure, 410 feet ference, which opens in permanence of Britain's mem-Brighton this morning, is un-bership. Mr. Peter Shore is only V rocket and its Apollo spacecraft. An official who has served gramme observed sadly that they will be lucky not to have Close by on the sprawling spaceport, however, prepara-

tions are well advanced for the start next year of another U.S. space spectacular, the launch of the Space Shuttle, a re-usable rocket system for putting men expendable rockets. Massive modifications have been undertaken to adapt some of the large

Space Shuttle.

Manned vehicle

mission completed, Orbiter will U.S.-based



the right is the space shuttle pictured atop of its 747 carrier at Edwards Air Force Base in California.

fine-tuned-is undergoing been accepting deposits of \$500 rocket. radical surgery at the hands of for reservations. In the U.S. the welders to adapt it for the there have been instances of pare Shuttle. endowments to local schools to The one new building needed allow them to put down a for the project is called the deposit. In West Germany an orbiter processing facility. This agent has already begun to is a hangar where the aircraft-organise "package tours" for organise "package tours" for

look at the question of our burn-through. NASA announced month delay.

oad into orbit piggy-back on big this time when trying to launch McDonnell Douglas, from which launch re-enter the atmosphere and Satellite Corporation. NASA, The French Press railed insurance.

se again.

an excellent record. Then in the European Space Agency, re- Florida, will Dr. Frosch be have in zero-gravity, with metal strator, "but this is the school of NASA's headquarters in May, to the intense frustration marked ruefully that it was a ready to consider any question particles eroded from the election the next decade."

Fireworks display

big booster rockets will be Canaveral.

of Third World nations. Mr. recovered by U.S. Navy divers how would a vacuum switch ment. "There will be fished out of the Atlantic for Until this summer NASA had Roy Gibson, director-general of from 65 feet of water of controlling tens of kilowatts be tinkering," says NASA and

selection of Parliamentary can—the other hand, the notion of facilities already installed for didates—only the last seems re-selection is in many ways a likely to be the source of much reasonable one, used satisfactive moon temple. The "getaway special" is the launchpad, one of the nine the other hand, as Dr. Frosch in the Administration and in the moon launch. For example, The "getaway special" is the launchpad, one of the nine the other hand, as Dr. Frosch in the Administration and in the moon launch. For example, The "getaway special" is the launchpad, one of the nine the other hand, as Dr. Frosch in the Congress as a luxury the U.S. contribution to make to disast embarrassment. The economy to other countries by hillding 525 feet block where researched are the contribution to make to disast replief in the case of floods. and, in particular, the level of various methods of which the building, 525 feet high, where secondary schools, to put experi-vehicle simply dropped off, compete in the space industry, Dr. Frosch, whose wide exumemployment will be the basis American primary system is the great rockets were exceeded by floods and the main the OTS flasco was certainly no periods as a research chief in munities marroned by floods.

which ignite spontaneously on administrator, fresh from the satellite had failed. In fact satellite, assembled at a modest contact with air, for example— NASA had discovered that a extra cost of about \$10m. More-But the week in which NASA corroded bolt on the McDonnell over, for the first time the Euro- year-now is the time to be istration may find some ext satellite in its correct orbit But this month OTS was still NASA, so far, has refused to power station in orbit or man's neglected, he stresses. Plans found Dr. Frosch in sombre and unlucky. After a perfect count- guarantee anyone's launches; first _attempt to "colonise." reflective mood about the credi-down the satellite got away bang but a senior British civil ser-space. bility of NASA and the launch on schedule, only to be blown vant at the Department of Venice services it offers. "Obviously up in a spectacular orange fire Industry persuaded the agency Orbiter, which made its first limes a late of the services it offers."

Orbiter, which made its first although I have a late of the services it offers. "Obviously up in a spectacular orange fire Industry persuaded the agency work display high above the to take out private insurance to

purpose.

Sacred cows

Lest-wing demands for the re-selection of sitting MPs by their constituency parties after every election pose a genuine for launching, the National many constituents. In many constituents accounts to the particular accounts to the second of furnity and significantly different role. Altogether much less than one-tenth a much less than one-tenth on the believe washington they are working on of hordes of European scien-good advert for Ariane, the of new terms guaranteeing his the cost of this "technological faceliff" is put at \$240m.

Whereas the Sautorian of the launcher accounts to the believe washington they are working on of hordes of European scien-good advert for Ariane, the of new terms guaranteeing his the cost of this "technological faceliff" is put at \$240m.

Whereas the Sautorian of the launcher apparential to the correct long time before it can match statistics and incidents tending to emphasise the application in the launching, the National many constituents accounts to the contribute accounts to the launcher apparential to the correct long time before it can match their launcher apparential to the correct long time before it can match their launcher. Insuring rockets, he deal to contribute to energy their constituency parties after the cost of this "technological freight schedule, for putting tists who had planned their launcher Europe is developing, launches. Insuring rockets, he deal to contribute to energy their constituency parties after the cost of the parties accounts. The launcher apparent to the cost of the surface accounts to the cost of the cos their constituency parties after every election pose a genuine dilemma. In many constituent cies re-selection will provide an ideal opportunity for Left-wing elements to use their domina-Of the main points of content elements to use their domination of depleted organisations. And it plans to do this with the EEC, and the question of Parliamentary can the other hand, the notion of facilities already installed for sale of the property of the main points of content elements to use their domination of two and-a-half hours, in only two-and-a-half hours, in only two-and-a-half hours, in only two-and-a-half hours, is small, self-contained, and first communication satellite, its satellite launches, including believes should be the future of necessiting and so on. His to selection of Parliamentary can the other hand, the notion of facilities already installed for two exceptions—using communication.

OTS) was sitting peacefully on aboard the Space Shuttle. On the Administration and in years with the UN have or years with the UN have or years with the UN have or years.

> advertisement for the U.S. space cludes responsibility for U.S. Pennsylvania last month the nindustry. And although Europe Navy research and who also channels requested by the R. had suffered three times this served with the UN Environ- Cross through a jointly own summer, all indications were ment Programme, denies firmly U.S. Canadian communication that each problem was different. that he has been appointed to run satellite were the only link wi Moreover, the latest failure NASA down. "I was appointed Washington, Again with media "Tighten bolts OTS and good involved a different launch to run NASA in an imaginative services, experiments have luck" read an illuminated sign vehicle, the Atlas Centaur, and and interesting way - I don't ready shown that a satellite s like orbiter will, after touching scientists' experiments—"cheap down from a mission, first be trucking," as it is called by Dr. made safe—drained of fuels Robert Frosch, 49, NASA's new which ignite spontaneously on administrator fresh from the luck" read an ujuminated sign a U.S.-built satellite.
>
> | luck" read an ujuminated sign in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U.S.-built satellite. | know how to do inings any uncount tem has rar-reacting possing in Cocoa Beach as launcher and a U deciding on the next space moneys.

Engineering problems

station idea, which NASA has then choose from among ment which will be before the will be the slaughter this week vehicle about the size of commercial terms."

ment which will be before the will be the slaughter this week vehicle about the size of commercial terms."

an urgent investigation Could Ironically, the 11 nations in been examining with the U.S. number of other space massive compartment that will carry the acute embarrassment of asked Dr. Frosch, arising from risk, pro ridta, so slight up to the roots asked Ironically, the 11 nations in been examining with the U.S. number of other space massive compartment that will carry the acute embarrassment of asked Dr. Frosch, arising from risk, pro ridta, so slight up to the Frosch says: "I feel it's a long lite in orbit over the moor o Italians were com- hood of any Apollo-type political But throughout the 1980s solid-fuelled rockets. Its space a new U.S. satellite for the each launcher is assembled plaining that they had not decisions on this project. How expects the Space Shuttle— Communications to a customer's specification? underwritten their share of the ever, he believes that the Space space machine which Shuttle will afford the oppor launched --- as land like an aircraft—albeit un with both its non-military about a U.S. conspiracy. Only when, in a few weeks tunity to study some of the manocurres as a spacegra powered—at about 200 mph on "workhorse" launchers in to prevent Europe from breaktime, the NASA investigations manifold engineering questions then lands like an aircraft—
a three-mile long runway just trouble, promptly halted all ing into the space business with have pieced together the telethe project would raise remain NASA's most importate the project. The further launches from Cape satellite tellored to the needs metry records and any bits Power supplies, for example—tool for research and development to the construction of the manocurres as a spacegra

Third World to the NASA investigations manifold engineering questions then lands like an aircraft—
the construction of the manocurres as a spacegra
time, the NASA investigations manifold engineering questions then lands like an aircraft—
a three-mile long runway just trouble, promptly halted all ing into the space business with have pieced together the telethe project would raise remain NASA's most important to the project would raise remain NASA's most important to the project would raise remain NASA's most important to the project would raise remain NASA's most important to the project would raise remain NASA's most important to the project would raise remain NASA's most important to the project would raise remain NASA's most important to the project would raise remain NASA's most important to the project would raise remain NASA's most important to the project would raise remain NASA's most important to the project would raise remain national remains the project would remain the project would rema

trodes floating around in the vacuum? Or large metal structures assembled in orbit— would they be stable or could they go into violent oscillation? As for space colonies: "I start with the question Why? rather than from the idea that it would be a fun thing to do. I can't see yet why anyone should want to put, say, 50 people into space." NASA has plenty of people offering to be come its fare-paying passengers—even some who send money It returns the cash but keeps their applications on file, "for. the day when I start worrying bout running an airline."

More mundane things "in the literal sense," and more good space science, are the twin targets on which Dr. Front is setting his sights. He ... the usefulness of his re search and development programme, including aeronautic -" the branch that gots lef out." Aeronautics accounts he

trial advantages. Other th Earth's natur even has hopes that the Admi

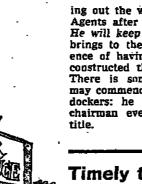
But science will not send a satolitte 485m, miles Jupiter, deep in financial troub with the politicians when t took office in June, are to ahead next year. And October NASA starts work on t ambitious Large Space Tel Of the orbiting solar space scope project. The agency mu

MATTERS

Americans could agree to limital bringing the freed prisoners

the Bank of Japan did not have tween MBFR and CSCE in that Those are the sort of errors enough greenbacks on hand. No both the negotiations cover that need to be avoided. They did the commercial banks, who

John Cuckney's last engagement a reputation for having a brain time. Maclarens think that was



And now all those in favour addressing Liberals as 'Brother'..."

of dollar bills. to make a tour of the Port of of Maclarens, one of Britain's prince did when he and The Japanese as individuals New York. That was a typically most venerable trade and tech. Margrethe were married in June Yet the tendency in the past and if greater thought is given do not use cheque books and forward-looking move, for nical publishers. Yet the tendency in the past and if greater thought is given to the overlap between SALT tailons separately. There is an opportunity now to view them together.

In so doing, it should be said that the fact that SALT 1 has run out without agreement on a successor is not in itself very a successor is not in itself very and if greater thought is given do not use cheque books and lorward-looking move, for nical publishers.

In so doing, it should be said that the fact that SALT 1 has run out without agreement on a successor is not in itself very and not use cheque books and lorward-looking move, for nical publishers.

The company is currently celebrating its 125th anniversary. It was begun as a printing and name, when he became a number of tourists going abroad over this morning as head of the weapons that can be deployed outside the central area.

Security

The company is currently celebrating its 125th anniversary. It was begun as a printing and name, when he became a number of tourists going abroad over this morning as head of the weapons that can be deployed outside the central area.

Security

The company is currently celebrating its 125th anniversary. It was begun as a printing in faith, but also his nationality and name, when he became a number of tourists going abroad over this morning as head of the weapons that can be deployed outside the central area.

Security

The company is currently celebrating its 125th anniversary. It was begun as a printing its 125th anniversary. It was begun as a printing contract the fact that SALT 1 has been to take all their deposition and the IMF meet-thing they buy, so they are Atlantic to attend the IMF meet-thing they buy, so they are Atlantic to attend the IMF meet-thing they buy, so they are Atlantic to attend the IMF meet-thing they buy, so they are Atlantic to attend the IMF meet-thing they buy, so they are Atlantic to attend the IMF meet-thing they buy and the IMF meet-thing the company is currently celebrating its 125th anniversary. It was begun as a printing form it

land. "The Authority must in- Copeman doubts whether to adopt the State Lutheran faith volve itself even more closely in magazines often die through too on becoming betrothed to the the whole future of dockland much competition. The market girl who was then heir-apparent It must operate in a much just disappears as an industry There is a possibility that the healthier environment."

Agents after the 1974 debacle, ago. He will keep that job. He also. brings to the PLA the experience of having successfully re-constructed the Mersey Bocks. There is something else that may commend him to London's The diplomatic life of the Danes dockers: he is the first PLA is usually fairly placid, but at

Timely titles

The Young Men's Christian Magazine, the India Rubber and Gutta Percha and Electrical Trades Journal, and the Scottish Leather Trader — all are no fastes and new technology, their place is taken by such titles as Audio-Visual and Materials Reclamation Weekly in the output

ealthier environment."

declines — although sometimes
audience
Now 53, Cuckney has earned a journal can be ahead of its
called off.

ing out the woes of the Crown which they folded up two years

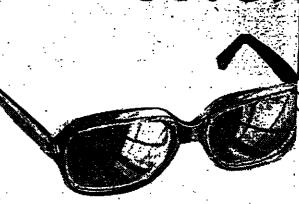
chairman ever not to have a the moment the senior officials of the Foreign Ministry in Copenhagen are frowning over a highly sensitive problem. It concerns the four-day visit Queen Margrethe is due to make to Italy from November 8 on-

As might be expected, the Queen is to be received by the Pope. However, the Vatican has made it known --- politely but Leather Trader — all are no firmly — that her husband, more. Swept away by changing Prince Henrik, cannot attend the audience. It is explained that this is an unvarying policy towards former Catholics who have renounced the faith, as the

He tells me that he looks for troughs are not nearly so sharp that the Danish public will take considerable umbrage over the matter, After all, Prince Henrik had a constitutional obligation

Observer

MAKE IT

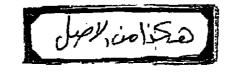


NORVILLE OPTICAL

LIVINGSTON, SCOTLAN

Contact George McPherson, Industrial Development Manager Livingston Development Corporation, West Lothic Telephone: National: 0589-31177

> London: 01-930-2631 International: 44-589-31177



FINANCIAL TIMES SURVEY

هلاا من الأصل

Monday, October 3 1977

Office Equipment

ideas die hard

By Max Wilkinson

it is demonstrably illogical.

lecting and spending a large versial. proportion of the hard earned product of manufacturing indus Marketing

ing off the production lines. traditional attitudes fortunes of the country.

may help to explain the reluctions of attitudes is munications, a second revolution possible for nearly all company.

office machinery have demons strated that very considerable savings are possible.

U.K. companies still lag far behind those in the U.S. and in Germany. This is partly because the very much higher secretarial salaries in those countries make automation a more attractive financial prospect. But there may also be a natural British ervatism at work, backed by general reluctance to invest at a time when profits have been paltry and the economic outlook very uncertain.

The interaction of conservatism and financial stringency market. While, for example, THE IDEA that offices are in plain paper copiers have found way an unproductive a ready acceptance and are now drain on the resources of indus- considered essential equipment ity is deep rooted even where in most companies, the term "word processing" may not The idea doubtless stems even be familiar to some execupartly from the resentment tives. Furthermore, the replacench is felt against the large ment of paper records by elecgrowing bureaucracies of tronic storage or microfilm and the Civil Service which are not the feasibility of electronic mail only paid out of taxes, but are still often considered isually spend their time col- dubious or at the least contro-

schoed within companies where the office equipment industry paper pushers" cannot be will therefore depend greatly on second, which is some 15 times units and printers. sen to be creating the sort of the ability of the marketing men angible wealth which is flow to change traditional attitudes as well on the general economic tions have improved the effi- stripped the general acceptance to a spoken word of command.

hance of many companies to in- complicated by the fact that has been taking place which information to be typed into a Lyped test in capital equipment aimed there are two separate revolu- will, in theory at least, allow central computer, or more proto increase the productivity of tions now taking place in the paper documents to be largely bably, into a network of smaller Similarly, departmental re- also being linked with micro- This pattern of worldwide public sector will be to underoffice world. The first is in the dispensed with. However, it is increasingly vastly improved methods of In some companies in the ing realised that salaries handling and distributing infor- U.S., this has already happened analysed continuously so that at can be amended either by the through a screen reader or a realistic to expect the U.K. to be able luxury or a means of saved in the office can have just mation in the traditional way Company finances, stock control, any time the chairman or other author or by other collab rators copier. as much effect on the ultimate by means of pieces of paper, filing, even internal memoran- executive can extract a break working from their was visual balance-sheet as savings from The development and continu- da and reports are handled by down of, for example, produc- display units. Such a report within larger offices will not stomation in the factory. And ous improvement of the plain computer. This radical change tion figures, sales, stock control could go through several drafts only be wired up together but in Government circles that U.K. to stay competitive with their the recent advances in computer paper copier has been the most in working methods has been or even the holiday rota. More before it is committed to paper, they will more and more be manufacturers are not carving opposite numbers in the rest of based equipment and other spectacular. The invention has made possible by the rapidly in- over, this can be done without but even if successive copies connected by telecommunica- out a sufficiently large share of the world.

The ingenuity of manufacturers in designing new ways of bringing automation to the office has sometimes been frustrated by the conservatism of users. There is little doubt, however, that demand for improved equipment is increasing in the U.K.

now almost entirely obviated the need for repetitive copy typing which was a feature of many offices only a few years ago overshadowed the significant make it difficult to predict the improvements while duplicator, which is still the cheapes method of making multiple copies, and can now achieve very high quality. The linking of small offset litho machines with copiers can also provide a cheap and convenient means for making high-quality multiple

> Even the typewriter has been the subject of enormous imfrom manual to electric, still far from complete, has been overtaken by the invention of prin-

While these and other inven- change has already far out- will make the computer respond ciency in the use of paper com- of its implications. It is now

CONTENTS The small computer Equipment market Experts Electronic mail The larger computer The Typewriter Audio visual Word processing Telephone equipment Choosing a computer XIII Office furniture Accounting machines Vending Duplicating Electrostatic copying Environment Uses for copiers Design Peripherals

The International Business Show will be held at the National Exhibition Centre, Birmingham, on October 11-20.

(visual display unit). Programs

ters which achieve speeds un- creased capacity and reduced the aid of an assistant or even other end by adding electronic the large parts of he market are imagined a few years ago. The price of computer memories, a secretary by direct access to This resentment is sometimes The future of many parts of IBM ink jet printer, for example, and the improvement in peri- the computer files through a can turn out 90 characters, a pheral equipment like display keyboard and television screen the speed of a competent typist. The technology for such have even been written which

machines.

were made, they could be pro- decades. duced very rapidly on a high

Such comprehensive integrabeen possible for companies able to afford a substantial sized computer. However, the rapid increase in the use of microcomputers etched on a thumbnail slice of silicon and of small

package for manufacturing con- industry this year. to a central processor,

The power of computers is business computers. ports can be typed straight into film techniques to give auto- markets served by international stand that automating the office;

the same company or with other electronic fields. This is a potential benefits from almost considering future trends. instantaneous exchange of data However, it is important to and electronic mail are still not consider some of the so called widely understood. However "low technology" the keen competition amongst office equipment as carefully as equipment suppliers indicates sophisticated electronics. Indeed. that a very rapid expansion of some relatively simple mechthe office equipment market is anical devices can have a major. expected in the next few impact on office efficiency.

The International Business office copier field, where in Show which opens at the creasing emphasis is now being National Exhibition Centre next week (October 11) has attracted tion of the processing of figures no fewer than 350 exhibitors and words has, hitherto, only covering 23,000 square metres ments, and automatic sorting

This show will be twice the office machines has made a size of the Business Equipment sophisticated piecemeal approach more pos- Exhibition two years ago, and indicates the large number of While, for example, Sperry new manufacturers who are try-Univac has concentrated on ing to carve out their place in large systems like UNIS, their the market as well as signs of a like microlilming need to be recently launched computerised revival of the fortunes of the

trol, IBM has been approaching One of the difficulties for the enthusiasm for copies should the office problem from the smaller manufacturers is that not lead office managers to formemories to the simple electric dominated by multinational comtypewriter. The development panes. IBM and Rank Xerox are virtues of duplication. of automatic typewriters into obvious examples. Gestetner is sophisticated word or text pro- an example of a smaller com- true that the major challenge. cessing equipment is now be-pany which has achieved a for British manufacturers in the ginning to merge with the worldwide coverage for its more office equipment field will be to larger scale computer systems, limited range of products. The keep abreast of the truly amazbecause individual work stations same pattern is being reflected ing developments which modern are increasingly being wired up in the emerging technologies miniature electronics have made

be a magnetic store where they matic access to a library either companies means that it is un- is becoming not merely a desirself-sufficient across the full keeping staff growth in check, electronics machines range of equipment.

tions links with other offices in the world market in the newer The enormous legitimate general point when

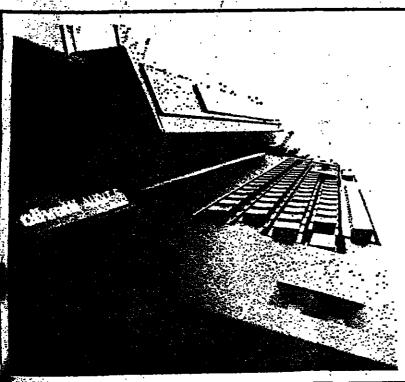
> One obvious example is in the placed on automatic feed systems for the input of docusystems for the output.

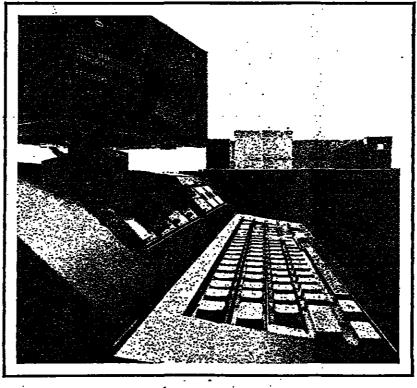
> Similarly, systems for conveythroughout a large office, may on overall efficiency than highly making multiple copies.

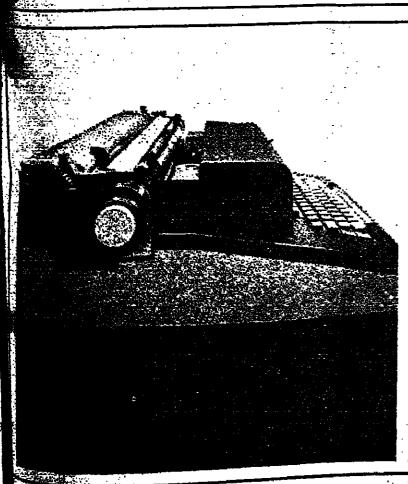
Similarly the claims of rela tively old-established techniques possibility of placing all records computer storage; and not lead office managers to forget entirely the complementary

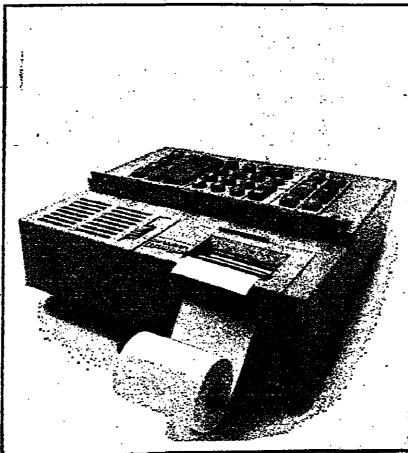
That said, however, it remains like word processing and small possible. The challenge for the There has been some concern those organisations which want

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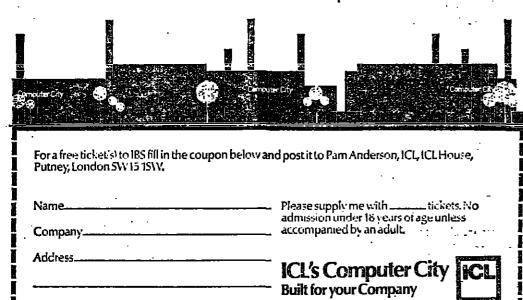
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Foreign companies make the running

THE STATISTICS covering from 40,000 in 1975 to 400,000 in would have to rise 60 per cent.

office equipment are generally 1980.

to 260m at 1975 prices 4

The task is important because the U.K. stake in the rapidly growing electronic part of the office machine market is in great risk of declining. In the industry as a whole, the U.K.'s product range can be compared with that of any other country except Japan and the U.S.

Party has told the Government firms with this kind of know-Perhaps a more helpful way of looking at the problem is to several crucial choices" if they value in the U.K.

Kepresented

ented in the world market for about 65 per cent. electro-mechanical machines,

microcircuitry and computer- copiers, a field in which the U.K. style peripheral equipment, the through Rank Xerox, has had U.K. is now poorly represented a dominant world position. Growth in this area is expected: On this rather bizarre definto be very rapid-perhaps 25 Ition, the U.K.'s share of world to 850,000 in the U.S. between group is put at 11 per cent. On 1975 and 1980. In the EEC the assumption of a total home

National Economic Development facturing industry taken in its penetration. Office Sector Working Party for broadest sense of both British However, the very large area

of the market, or an assembler indicated that they are unable West core content and low added turers, on the U.K. electronics this month, infrastructure.'

panies like Gestetner with a is illustrated by the fact that or 130,000 units; electronic base compared with that for worth something over £30m. good living for years to come, the Sector Working Party's accounting systems £34m, and copiers and accounting systems present. Facsimile transmissions in the range of products objective, is based on official 22,000 units; office copiers which already have an estab has been slow to 53 which increasingly depend on figures which exclude photo
which increasingly depend on figures which exclude photo
which increasingly depend on figures which exclude photo
£57.7m.

Itself place in most organisa
acceptance; partly because to the other hand the machines marketed by difference on the other hand the machines marketed by difference on the other hand the machines marketed by difference on the other hand the machines marketed by difference on the other hand the machines marketed by difference on the other hand the machines marketed by difference on the other hand the machines are the content of the other hand the machines marketed by difference on the other hand the machines are the content of the other hand the machines marketed by difference on the content of th

per cent a year. It has been trade is said to have declined computer systems and perimated to be some £350m, in printer and the return of processinated, for example, that the from 11.5 per cent, in 1963 to pherals, which includes some 1976, more than ten times the In the longer term equipme installations of automatic type-5 per cent, in 1973. Average specifically office-orientated U.K. figure. It is likely that capable of linking word parties will grow from 400,000 growth in world trade for this accument is not at £574m. writers will grow from 400,000 growth in world trade for this equipment is put at £674m. a tenfold growth in the five-market increase of 20 per cent. year period has been predicted, by 1980, total U.K. production

office equipment are generally 1980.

to 260m. at 1975 prices to meet recognised to be inadequate. In However, the Sector Working both the export target and the Parly warns: "The U.K. manutarget for reduction of important target for reduction t

the industry has recently started owned companies and foreign of doubt about any figures rean analysis of how the coverage owned multinationals is not lating to office equipment can well placed at present to gain be illustrated by the fact that Electric typewriters a significant share of the new the Business Equipment Trade opportunities arising from these Association currently estimates changes. This is because, firstly, its members' production at Electronic cash registers the British owned companies - £1.5hn. in 1976 of which £669m. Electronic accounting systems many of which are of consider- was exports. This figure, howable scale and excellent market- ever, represents the output of ing reputation, do not generally a very wide range of companies
have an "electronics capability" many of whose products have
and there is little scope to very little in common except
accelerate the learning process that they may both end up in

"Secondly, many of the break down the market into same period a 100 per cent. 1980. are to survive at a level other foreign owned multinational different product sectors, growth is expected to bring the general the plain paper copie than that of a provider of pro- companies which are abreast of Mackintosh Consultants has market to £105m, in 1981. Will continue to make headway ducts at the low technology and the technology and the technology and the technology and the technology are considered to the technology and the technology and the technology and the technology are considered to the technology are the technology and the technology are the technology are the technology and the technology are the technology and the technology are t ducts at the low technology end the technology changes have done this in its Yearbook of The growth of computers and against the coated paper copie of the market or an assembler indicated the coated paper copie of machinery with higher im- to depend, as U.K. manufac Data, 1978, to be published later even more spectacular from in

which are likely to provide com- overall assessment for the sector £7m.: dictation equipment, £5m. the market starts from a small U.K. market is estimated to

Peripherals

tronic office equipment, exclud- as a whole, it is estimated that ment, ing computers, at about £180m. only 2 per cent, of the 24m. It seems likely that in t at 1976 values. They show, in office typewriters are automatic. longer term more and mo addition, that the fastest rise is At the same fine the copier emphasis will be put on co

main in copiers where, in the 13 per cent. compound up to

ESTIMATED U.K. MARKET FOR ELECTRONIC OFFICE EQUIPMENT

1978 53 1977 1976 Automatic typewriters 37 Dictation equipment 12

European Electronics peripherals is expected to be and other processes.

1976, £144m. for computers and Growth It estimates the U.S. market £382m. for peripherals to, in In view of these difficulties, for desk calculators in 1977 to 1981, £326m. for computers and duct groups which have ber

tions. On the other hand the machines marketed by differe potential for word processing or companies are not compatib automatic typewriters appears They are therefore used mair enormous. The market for word for particular applications li In addition the market for processors in the U.S. is esti-communication of copy to sooner or later British managers cessors to the telecommunic The Mackintosh figures thus will catch up with those in the tions network can be expect put the current market for elec- U.S. and Germany. In the world to challenge facsimile equ

expected in automatic type market is expected to continue munications, which would see writers where the market is ex- to expand worldwide at a rapid to be one of the areas whi pected to grow by 160 per cent., rate. Dataquest expects world has almost unlimited potenti wide copying and duplicating for future growth in the offi However, the big money will, volumes to increase by 7 per equipment field. according to the predictions, re-cent, annually and revenues by

Represented

The U.K. is still well represented in the world market for ented in the world market for lectro-mechanical machines, which are likely to provide combined assessment for the sector form overall assessment for the sector form desk calculators in 1977 to 1981, £326m. for computers and the world market for desk calculators in 1977 to 1981, £326m. for computers and the world for peripherals. However, it is not clear how much tabulated there is likely to lead the entering for automatic ever, it is not clear how much tabulated there is likely to lead the market of this can properly be classed to the level of the late 1960s of at £4m. or 3,000 units; electric as "office equipment."

The difficulties of making an units: electronic cash registers cessing is expected to be rapid, program control system. The market starts from a small U.K. market is estimated to

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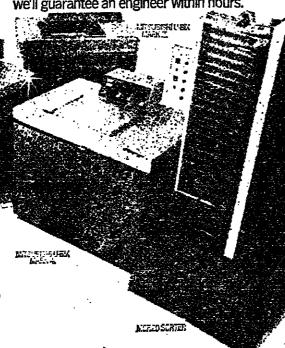
In addition, some of them copy onto card and linen-based material, so you can run off extra durable copies or covers for documents.

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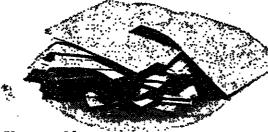
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MITSUBISHI U-BIX

Replacing the

Carter Committee's suggestion and doubtless the recipients cal pulses) used by compit that the Post Office should be would not want it otherwise. At The basic idea is that text split up comes just at the time the other extreme, where there keyed into a machine wh when pundits are getting ex- is a large volume of correspond- turns each character into a d cited about the prospects of ence between a few large tal code (rather like Mo

letter and telecommunications, tronic transmission for some format of the document However, this is not really the time to come. case, for electronic mail could, in theory at least, render a large electronic mail will continue to mously high speed down a h part of the present postal ser- develop from rather specialist

on technological progress, for the post. there is little doubt that the Although transmission of letters by elec- has a certain science fiction tronic means will soon be econ-sound about it, the basic con-omically attractive as well as cept is familiar through the feasible. Telex was not The uncertainty is more about originally electronic, although

whether people will readily ac- modern equipment has become cept the change of format and so. Telex was developed from style of correspondence and the the very simple idea of connect-quite radical challenge to tra- ing a typewriter keyboard ditional working habits. There are several different a printer at the receiving end.

forms that electronic mail could take. All of them have in common the fact that they Current depend to a considerable extent on electronic components which to fall in price, and that, once installed, they are economical

sider the different types of mail and how they could be handled by an electronic medium. It is obvious, for example, that the majority of private households do not receive enough wires (or telex wires) to the compatible. There is no related to the installation of the majority of private households do not receive enough wires (or telex wires) to the compatible. There is no related to the telex in principle of the majority of private households do not receive enough wires (or telex wires) to the compatible. There is no related to the households are provided to the households. letters to justify the installation GPO network. The principle of in principle, why the hard of a printer capable of receivof a printer capable of receive operation is, however, very different anufactured by one ing electronically transmitted lerent because it depends upon should not receive mest letters. Indeed, many private letters are still written in ink

IT MAY, seem ironic that the on lavender-coloured notepaper, the digital code (on/off elect offices, for example in banking, code) and stores it on a m For the very words imply a bulk deliveries by post may netic tape, card or disc ab fusion between the traditional remain competitive with electwith instructions about

applications alongside the con-Whether it will in fact do so ventional methods of communiwill depend more on social than cation like the telephone and "electronic mail"

through a multicored cable to

on electronic components which an electric current through a 2 cents compared with 17 cents and that once unique combination of wires, by surface mail. which are connected to the rein manpower. Traditional mail corresponding character is works out at 13 cents by services, by contrast, can only printed out. The inherent disface mail and 2.5 cents be automated to a limited advantage is that the wires electronic mail. Clearly ceiver in such a way that the Fransicso, extent. They will always be have to be in use for the whole extra cost of the equip labour intensive, and as the of the time it takes to type needed for electronic mail will tend to become relatively use a paper tape which is puntil this will be installed in more expensive.

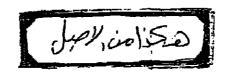
However, the economics of electronic mail are not simply a matter of drawing two curves —for the rising cost of postage and the falling cost of electronics—to see where they cross. It is necessary to consider the different types of mail

It is likely, therefore, that then be transmitted at & These electronic pulses grade telephone line of link to a magnetic store at other end. When the mess has been received, the tape disc is used to drive the pri when it is convenient. advantage of this type of munication is that the specitransmission is not limited the speed of a typist or by mechanical speed of a prir Transmission time for a su page of text would be perl 17 seconds, depending of capacity of the line.

Mackintosh Consultants. are engaged on a study of tronic mail for a numbe. postal, authorities; estimate cost of sending a page is Depression of any key sends London to Edinburgh woo

Between New York and

CONTINUED ON NEXT PAGE



Secretaries demand an electric typewriter

s extending itself to take in have no other explanation for tiveness over manuals.

hist from manual machines to around 10:1 in favour of comes stronger as the electric shift key (a feature borrowed (largely manual) machines in dectric machines, a trend which electric. Typewriter executives machines grow more sophistifrom the electrics). the U.K.—in Glasgow and Belacted in have no other explanation for tweness over manuals. These basic facts determine fast—the bulk of Britain's typementables—as well as office it then continued from the strategies of the big four writers are imported from

priables as well as office it than conservatism on the Third, though the domestic typewriter manufacturers and Germany or Italy. IBM's Europart of British bosses, allied to market is, reluctantly, going distributors-Office and Electric pean manufacturing bases are in

> manuals with electrics may find manual models will not be last independent British typemanufacturer

هلزا من الأصل

Continued to the second of the

intense competition dis among the big four—which reaches such lengths that their executives are unwilling to release their estimated market shares—has meant that there is a high priority put upon innovation in the electric market.

The two basic types of elecages to the computer, which machines and the "golfball" or quieter operation. "single element" model. The Adler/Triumph offers the machine—the SGE75. relatively short messages. How-pressure.

ments: first, an adjustment side- electrics—the Monica, and the dence"). The golfballs include process is such that in many ways and up or down to select Report de luxe—both typebars, the 72, the 82 and the 82c — offices, ageing Remingtons with the character required, then the For office use, they have the last of those incorporating metal keys co-exist with stream-

the electric market moving to typewriter, which gives, as its It has also had another first,

and the SGE65/66, the last be- Olivetti has the "Editor" typed on one of the former

companies see the trend within Excellence proportional spacing 92c.

effect. Olympia has one golfball virtually all of these machines:

This type of truly electronic strike the paper by electric ment and impression." But the true that IBM—free from the The next challenge for the big This type of truly electric ment and impression." But the true that IBM—free from the The next challenge for the paper by electric ment and impression." But the true that IBM—free from the The next challenge for the paper by this means is transmitted just as easily as phone and a television. The mail will be most suitable for impulses rather than finger pride of its electric range is the requirements of the manual four companies is perhaps the new Triumph SE1000. The latest market - has developed a large golfball portable with propor-The golfball machines work modifications to the new model range of golfball options. It still tional spacing : besides, there is on the principle of a single -the SE1000c and the SE100CD markets typebars - the basic a constant search for he noisewish to get in touch with cuswith all the standard charac bons and the facility to print the Executive offers proportional which can be activated by the that a repair is ready, send a ters in relief upon it. Pressure 10 or 12 characters to the inch. spacing ("to add an air of merest touch of the finger. quotation, or provide basic price on the keys causes two move- Olympia offers two portable authority to your correspon- The speed of the innovative

to

The electric typewriter is gradually becoming a standard piece of equipment for

M.W. wards golf balls. But Olympia, name suggests, space around with the Lexicon 93DL — the

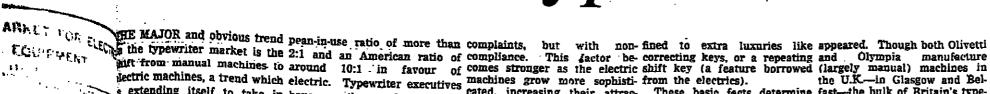
typebar models are really electioned and the 151d in their wiretified manual machines, in bar range, highlighting "total machines are IBM. Though this list of the best designed prophish the baye are made to the large machines are IBM. Though this list of the past 25 years

introduce proportional journalists have much to learn

HE CHAIRMAN WANTS YOU RIGHT

AWAY.

John Lloyd



There are, however, a num the reluctance of Government electric, there is a growing Machines (the U.K. agent for Berlin and Amsterdam. iar of special factors within this departments and especially market in the developing Adler, Triumph and — since Thus, while all of these compared shift which qualify the local government offices to interpolation. In the first vest in electric machines.

The developing Adler, Triumph and — since Thus, while all of these compared shift which qualify the local government offices to interpolation. In the first vest in electric machines.

The developing Adler, Triumph and — since Thus, while all of these compared which are at an March 1975—Imperial), Olivetti, panies were obliged to raise earlier phase of office develop- Olympia and IBM. The last of their prices quite steeply in the mechanism of the past two or three years, they want to be a standard of the part of the past two or three years, they want to be a standard of these compared to the past two or three years, they want to be a standard of the past two or three years, they want to be a standard or particular and the past two or three years, they want to be a standard or particular and the past two or three years, they want to be a standard or particular and the past two or three years, they want to be a standard or particular and the past two or three years, they want to be a standard or particular and the past two or three years, they want to be a standard or past two or three years, they want to be a standard or past two or three years, they want to be a standard or past two or three years, they want to be a standard or past two or three years, they want to be a standard or past two or three years.

ment, and which are demand-tness. IBM, makes no manual past two or three years, they have advanced industrial ing for the efficacy of another More than 80 per cent. of the OEM, which has around 40-50 advantage in doing so, owing to import in the speed of factor—secretarial power—to manual machines which Olivetti per cent. of the domestic the limited British production hasten, as they would see it, the makes at its Glasgow factory, manual market, is careful to capability. Olivetti, however, inevitable course of events. The for example, is for export.

Figurelled along the road to continuing shorters of claims. revelled along the road to continuing shortage of skilled Finally—a counterbalancing as well, and reckons on about fited from the fall of the lira. lectrification. While precise secretaries gives them a grow-factor—innovation on manual a 35 per cent. share.

gures on machines in use are ing leverage, not just on rates typewriters has, according to A notable feature of typeapossible to obtain, informed of pay, but on conditions in the the manufacturers, reached the writer manufacturing is that,
arsswork put the ratio of office. The office manager who limits of their ingenuity. Any with the acquisition of Imperial

lectric to manual at around refuses to replace the battered further improvement; to by Adler/Trumph in 1975, the

The inter
The i This compares with a Euro-himself faced, not just with major: they are in practice con-writer

Letter CONTINUED FROM PREVIOUS PAGE

anscriver. This looks similar incompatible:

ent on a competitor's equip- for example, can make a copy futuristic possibility of dispens- entertainments. It is a small tric machines, manufactured by ient since printers and of an A4 sheet in 35 seconds ing with paper altogether by step however, to envisage indi-agnetic storage devices will at its fastest speed. Longer, using television screens to dis-string by hasically similar. For example, prefer typebar each letter which its size "de-first golfball portable to be the "typebar" or "type basket" machines because of their serves," and produces a printed marketed. Made in Glasgow, which hasically similar for example, prefer typebar each letter which its size "de-first golfball portable to be the "typebar" or "type basket" machines because of their serves, and produces a printed marketed. Made in Glasgow, which hasically similar for example, prefer typebar each letter which its size "de-first golfball portable to be the "typebar" or "type basket" machines because of their serves, and produces a printed marketed. Made in Glasgow, which has because of their serves, and produces a printed marketed. The "typebar" or "type basket" machines and the "typebar" or "typebar" or "type basket" machines and the "typebar" or "typebar" o from he hasically similar How- is nedeed, however, to make play the written word.

fer, the programes used to high quality copies. The advanlike the machinery function tage of facsimile machines or that very many businesses and displayed on some other subof corpanise the text will "fax" is that signatures, ordinary homes already have the scriber's screen. if to be disindards ed if com- graphics and letterheads are basic equipment needed, a teletext. On the other hand, the development of Teletext, the the name competitor to relatively expensive equipment system which allows written become real using words are connected. words to be sent out on the distant future have considerable broadcast channels simultane-25.32 of computer terminal purpose, and different makes ously with normal programmes. suipment is the facsimile have, until recently, been is beginning to accustom the public to the basic idea.

a plain paper copier which However, 3M is now market tele ing a portable desk-top facsimile Viewdata pone links with a similar transceiver, which it claims is sachine at the other end. The compatible with "many other sachine scans the original, conmanufacturers' machines," and

betrome real using word pro- cannot be used for any other

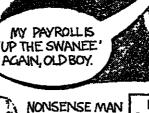
erts the image to electronic it is probably only a matter of this direction, because a house zenry through their televisions nises and sends it to the re- time before the industry adopts holder will be able to communihas an unpleasant suggestion of The obvious advantage of the ing the prestige typebar mange of typebar machines, and typed on one of the former
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has an unpleasant suggestion of The obvious advantage of the ing the prestige typebar mange of typebar machines, and typed on one of the former
has an unpleasant suggestion of The obvious advantage of the ing the prestige typebar mange of typebar machines, and typed on one of the former
has an unpleasant suggestion of The obvious advantage of the ing the prestige typebar mange of typebar mange of typebar machines, and typebar machines, biver where an exact duplicate a standard which will allow cate with a central computer 1984, it is sobering to reflect golfball it is interchangeability, version, with its quiet the "Lexicon" range of golfballs conservation of newspaper man. Initially transmiss more flexible communication. through his television set, a that by that date the technology allowing the operator to see the company has been company h ion times were comparatively The development of electronic simple keyboard and the tele-will be well developed and the a wide variety of transport of the development of electronic simple keyboard and the tele-will be well developed and the a wide variety of transport of the development of electronic simple keyboard and the tele-will be well developed and the a wide variety of transport of the development of electronic simple keyboard and the tele-will be well developed and the a wide variety of transport of the development of electronic simple keyboard and the tele-will be well developed and the a wide variety of transport of the development of electronic simple keyboard and the tele-will be well developed and the a wide variety of transport of the development of electronic simple keyboard and the tele-will be well developed and the a wide variety of transport of the development of electronic simple keyboard and the tele-will be well developed and the a wide variety of transport of the development of the low—up to 9 minutes per mail which aims to produce a phone link. The initial idea is practice will be advancing of this interchangeability many. The company also offer the spacing golfballs, in the Lexicon from secretaries on office mili-

age—but manufacturers are paper or "hard copy" at the for the service to provide infor-rapidly. The Kalle Inforce 6000, sidered alongside the even more news, stock market prices and

information on request. If the idea that big firms and The Post Office's Viewdata government agencies will be movement of the head to the SGE45 Compact, the SGE50 a correcting key. system will be a further step in communicating with the citi-

ever, it may in the not too





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9



Word processing catches on

WORD PROCESSING, that rather ugly term for automation in the field of producing documents, now presents a bewilder ing variety of concepts and

First, the confusion about what word processing actually consists of is more than a involves basic thinking about where the secretary should fit into a modern electronic office. and what his or her tasks will

The most general definition coined by IBM in the 1960s was "Word processing is the sum of the activities involved in composing dictating, recording, transcribing and typing words in the modern office."

Although that definition may appear rather vague and all-embracing, it is a helpful reminder that the total system petween the conception and final production of a letter or report may be at least as important as the pieces of equipment, whether automatic or manual, which are used in the

Thus the re-organisation of ecretaries into a typing pool, the purchase of dictating equipment and the setting up of automatic typewriting or computer controlled editing can all be play units (television screens) own independent processor.

linked. Furthermore organisa- individual secretaries more may be as important as automa- tication, with some 20 different and magnetic cards like those cussing equipment. tions with similar needs may control over their own finished tion of the actual typing companies now competing in the used by IBM present much less come to very different solutions. One, for example, may favour product. In this case secretaries function. centralised solution with a would be assigned to a particular. However, in spite of this about £3,000 for a simple auto- secretary, who can clip a mag- volved,

and one or two high speed emphasises automation of dictat- which use a magnetic memory machines have correction facili- company or for an office which longhand, or even those was a magnetic memory machines have correction facili- company or for an office which longhand, or even those was a magnetic memory machines have correction facili- company or for an office which longhand. printers for the whole system. ing machines so that, for to store text. Another organisation may example different "takes" These machines are now pro. The most basic requirement is a uthink it more important to give distributed to different typists, duced in a wide range of sophis- for actrogram which will author since.

Philips portables.

business expands.

dictation equipment.

Horley, Surrey.

all linked to a central computer The IBM definition also with typewriting machines to drive the printer. The therefore ideal for the smaller Executives who draft letters

The Contessa word processor, which costs less than £5,000. U.K. market Prices range from of a conceptual jump for a merely on the type of work pool of typists with computer boss or group of bosses, and general definition, the term matic typewriter. This can store netic card to the letter and file executives and typists can al style keyboards and visual dis. would have machines with their "word processing" has come to text on a cassette tape or it as if it were a carbon copy. be associated more specifically magnetic card which can be used

matically re-align text when an The great advantage of disc tial improvement in production

apart from the final copy.

word processors are; almost form into its final shape.

At the indistinguishable afrom compa puter terminals. The operator : may, indeed have the facility Complication for interrogating the computer Complication to extract information like. Effective use of such a

market will increasingly merge management of the system. with that of small office computers, particularly as the price duced by still on a falling trend.

would do well to pause for a interim drafts.

would not be a slightly philosophical view of the line into likely that these "shared logic" calculated are printed out by the line into likely that these "shared logic" calculated are printed out by the logic. account the increasingly sophis- systems will move into the central computer in the form ticated use of microprocessors realms of computer technology a letter which is made to lot (computers on a thumbnail), where they will be connected to as if it was sent from the an more and more links with other very large magnetic storage manager, personally to gain equipment and more extensive devices and will have the ability claimant. use of high capacity electronic to drive sophisticated output

Storage

was the move from paper tape work to use them for direct word processing is opening the as the storage medium to mag. communication as well as the way to a vastly more comps netic storage. Paper tape generation of the written word, and more efficient system machines are still widely used. At the same time, the expan- and documents are recordbut the compactness and flexi- sion of use of microprocessors electronically, they can be bo bility of magnetic media make will give increasing power to stored and analysed electron it inevitable that paper tapes the smaller, stand alone, systems cally. A single document coul

been from the simple low capa. more expensive machines. city storage systems like In the course of this develop- points could be extracted wh cassette tapes of magnetic cards ment it seems unlikely that all a whole range of different file

ties of varying sophistication, does not wish to make too big insist on giving shorthe The most basic requirement is a technological change at dictation, may be throw

insertion or deletion is made to storage is that bulky texts can gained be searched and edited with new machine. Generally, it More sophisticated machines, great rapidity. Alternatively, in the areas which require a which can cost £8,000 to £19,000 bulky files can be stored on a mail order tiem that the bandlow complete text edition with deep and the stored on a mail order tiem that the bandlow complete text edition with allow complete text editing with disc so that standard para-will show up must. Word a rearrangement of paragraphs graphs of particular customers' will show up must. Word a and afternations to learning the latest to the standard para-will show up must. re-arrangement of paragraphs graphs in particular strength in the correspondence. and other offices who before and without the need for However, a visual display unit individually typed docume anything to be printed on paper is then almost essential to allow (for example, wills) often he the typist to assemble the in- a large proportion of text wh formation on a screen before can be standardised and p

Effective use of such a system letters which look as if they a customer files and prices which will also demand a relatively entirely personal and individua can be automatically incor-high speed printer. Then as a Even letters of complain porated into a letter without further complication, it may be received by a large organisation the need to consult visual desirable to link several ter are now being answered sen minals to make the best use of automatically by the use of It is likely, indeed, that the the printer and of the processor word processor. A large nur top end of the word processing needed for the editing and ber of pre-recorded paragraph

Such a system, like that pro-duced by Wordplex, can lead complaint then only has 1 memories and processors is to substantial increases in pro- select the most appropriate par ductivity. It is also claimed that graphs and insert a few words: The speed of change is, in secretaries like a system which sentences relevant to the deed, so fast that any purchaser obviates the need for messy particular case. In another than the secretaries like a system which sentences relevant to the deed, so fast that any purchaser obviates the need for messy particular case. In another than the secretaries are the need for messy particular case. In another than the secretaries are the need for messy particular case.

equipment like, for example. photo typesetters. There will word processors connected also be increased scope for link, computers will eventually ing word processing equipment able to handle. The first major development to the telecommunications net-

will eventually be superseded, which are likely to assume the if necessary, be cross-reference The second development has functions now reserved for the 100 times completely automatical

to the bulk storage of cor- the companies now competing are being consulted. This wor respondence on magnetic discs, for the market will survive not even require a gr which can store about 250,000 against the overwhelming sophistication on the part of the characters and find any part of strength of IBM and more reword processor, for once a dot the text in a fraction of a cently Rank Xerox, which is ment has been record second. A machine using a marketing its own system using magnetically it can be fed in cassette, by contrast will take easettes or cards and a relational system at leight for analytic system at leight system at leight for analytic system and system at leight for analytic system and system and system at leight for analytic system and system and system at leight for analytic system and nuch longer to search through tively fast daisy wheel printer. System at Icisure for analydifferent parts of a text if this More recently Olivetti entered and updating of the centric required.

the market with a medium-On the other hand, cassettes priced machine using disc stor-

age and offering a window diplay, like that of a calculate However, the smaller compan do have one advantage in the present very fast change That is that they c move mure quickly with test nological developments than a IBM, which always has to consider the implications for a large number of machin which it siready has in the fiel

There is already a risk ti too many incompatible mot will be put on the market. that it will be difficult and pensive for the industry maintain them. There is a ris too, that organisations whi equipment now will a it is obsolete in a very s

Savings

On the other hand, the pole tial savings are large, so th the capital cost can often recovered quickly.

In some cases savings of 7 per cent, have been claim More usually productivity c go up by between 100 per ce and 250 per cent example, found that the outof its 500 typists in the U improved by 150 per cent af the introduction of word p The benefits will depend.

their old habits to match These simpler systems are equipment's greater capabilities

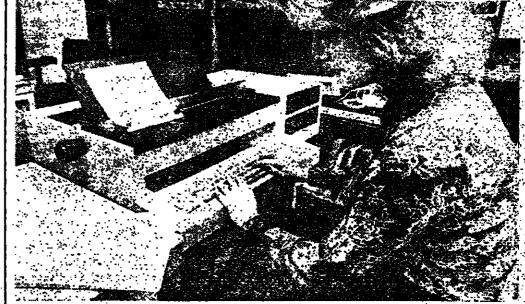
> At the same time, equipme is now becoming so sophistical that machines are beginning

answering the more usual con plaints, is stored on a magnet

It is indeed difficult to see limit to the complexity which

At the other end of the scal

Max Wilkinsc



British Olivetti's TES 501 word data processing unit.

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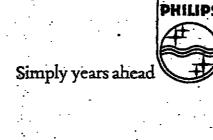
equipment uses the Philips Minicassette: the key to cost-saving dictation.

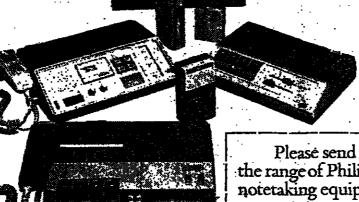
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POSITION

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OFFICE EQUIPMENT V



A Multitone pocket paging communications system enables staff to keep in touch at the Joint Services Medical Rehabilitation Unit, RAF Chessington. Several people can be "bleeped" simultaneously in cases of emergency.

Telephone has big potential

penetration of computing and aimed principally at providing natives. and the manufacturers of ex- particularly bad. since IBM launched and be obtained by adding to exist-sidered. There is a project to enil successfully marketed outside ing exchanges equipment such

rier the U.S. its 3750 stored program as the "Tiger" by Minter Auto- Arbital Test Satellite when that of the controlled private exchange. mation or the Canadian Govern- finally gets aloft, to transmit sius from the outset, the possibili. data. Both are based on small is a far cry from the "voice, Ent ties it offered companies with a computers and provide a com- image and data" total service nest large head office of improving plete analysis of call patterns aimed at by IBM.

internal communications, as with durations and costs. sign world, were such that IBM costly than complete new SPC good deal of progress will have of timade rapid inroads into what exchanges—which go down to been made in the Netherlands

similar equipment designs from sense, "monitored."

Reduction

vequipment offers the user: a numbers, will also call as often from now.

I major one is the reduction of as required to make the connect Apart for necting incoming calls, since his call is waiting. transfer to another number where the person sought will be for a time can be prearranged by a very simple coded instruction. Similarly all calls for an ulabsentee may be re-routed, and I switching of calls from one Coffice to another is much simpler and foolproof. For outgoing traffic one great boon is 22 reduction for users in the bamount of dialling needed to bamount of dialling needed to pact.

quently used number, and the totally foreign territory? ABX, with the equivalent could do the rest, repeating the been planning to get there as large building block there are of aller until a connection is soon as the first communications the paging systems such as those were whereupon a discreet phone and TV signals around by Multitone or Telephone

ob These are only a few of the (SBS) — Aetna Life/IBM — is offictions that equipment such moving ahead and is planning ter the 3750 and would-be com- inter-company. links which

ttern and timing of calls, stations, bounced off the satelis watchdog service is not lite(s) and back to the recipient

TEN years and more intended solely to deter on the opposite coast of the U.S people involved in the comput- frivolous telephoning—though Benefits would include far ing and telecommunications in- one effect of its inception in greater clarity of transmission dustry have been talking about any situation is to reduce the and freedom from delays, and convergence." that is, the pro- overall burden on the exchange the whole system could prove gressive approach and inter- by at least a quarter. It is much cheaper to run than alter

technology, an idea of which departments But it is only in the last five in a company are under that it has no ambitions to run years that the true implications provided with telephones, of its services in Europe, which is of that word have been borne where call bottlenecks are hardly surprising when the on the computer industry occurring and which lines are squabbles over launchers for

Though it looked expensive ment backed unit from Inter- data between laboratories. This

was formerly the preserve of about 80 lines—and tend to pay with the Philips-originated TV-Plessey, GEC, ITT and Ericsson, for themselves over a compara- phone. A limited network is and the latter companies tively short time because of the installed, and while the equiphastened to place themselves in reduction in non-business calls, ment is still somewhat cumbera position to be able to com- and also because users for any some, there is no doubt that it pete, either by bringing for purpose will cut down the can save an enormous amount ward development projects (at amount of time spent on a of executive time by removing some cost) or by buying in call simply because it is, in a the need to travel.

Philips joined in the fray and mentioned above of being able to has scored some remarkable select just two digits for fre- Although good progress is successes for very large PABX quently-made calls, leaving the being made in conferencing installations for international PABX to do the rest, the Pye systems in Britain in particular companies. But it is significant organisation has been working by the Plessey group, it would that no other pure computer on equipment—some compact seem that nothing can really company has got itself involved enough to go inside a handset— replace the effect of "eyeball in this area. to do just that. Marketed at the to eyeball." But whether Post moment in test areas by the Office links in Britain could Post Office, the equipment has carry view-phone traffic is a taken some 6-10 years to develop moot point. It might well have and comes with various capaci- to walt until a large number of To return briefly to the ad- ties for numbers. One unit, with optical fibre links have been laid a vantages such stored program ability to remember 64 ten-digit in the U.K.—say 10-15 years major one is the reduction of as required to make the connec. Apart from improving the time wasted in successfully contion and will warn the user that telephone there are many other

been in telephony for many circuit boards. Users are pro-years. But why should IBM be vided with a terminal giving An executive would have a come involved in what, for the hand-free ordinary speech, a An executive would nate a come involved in what, for the confidential mode, touch-tone wo figure code for any fre- corporation, appears to be confidential mode, touch-tone dialling, undistorted sound and

However, IBM is in "total sumbers stored in memory, communications" and must have vices or maintenance around a cured, whereupon a discreet satellites began to relay that by Multitone or relephone youred, whereupon a discreet ship phone and TV signals around Rentals, the latest of which the world. Despite some opposition. Satellite Business Systems "acknowledge" facilities. titor exchanges can perform should be operational in 1979, desk-top unit that will handle M certainly is offering users The ultimate aim is to allow up to 20 paging receivers.

the PABX some interest users to integrate all their recomputational capabilities. the PABX some interest users to integrate all their recall is in progress or when computational capabilities quirements—voice, image and speech may begin, and the computer talk—into a unified whole control unit with radio An important task that such This flow of information would compact assembly. Output is inputerised units will carry be channelled to the nearest of 2 watts or enough for most t is to log and analyse the several hundred small earth medium-size buildings.

satellites and the slowness of equipment—that is The same kind of service can inter-PTT collaboration are con-

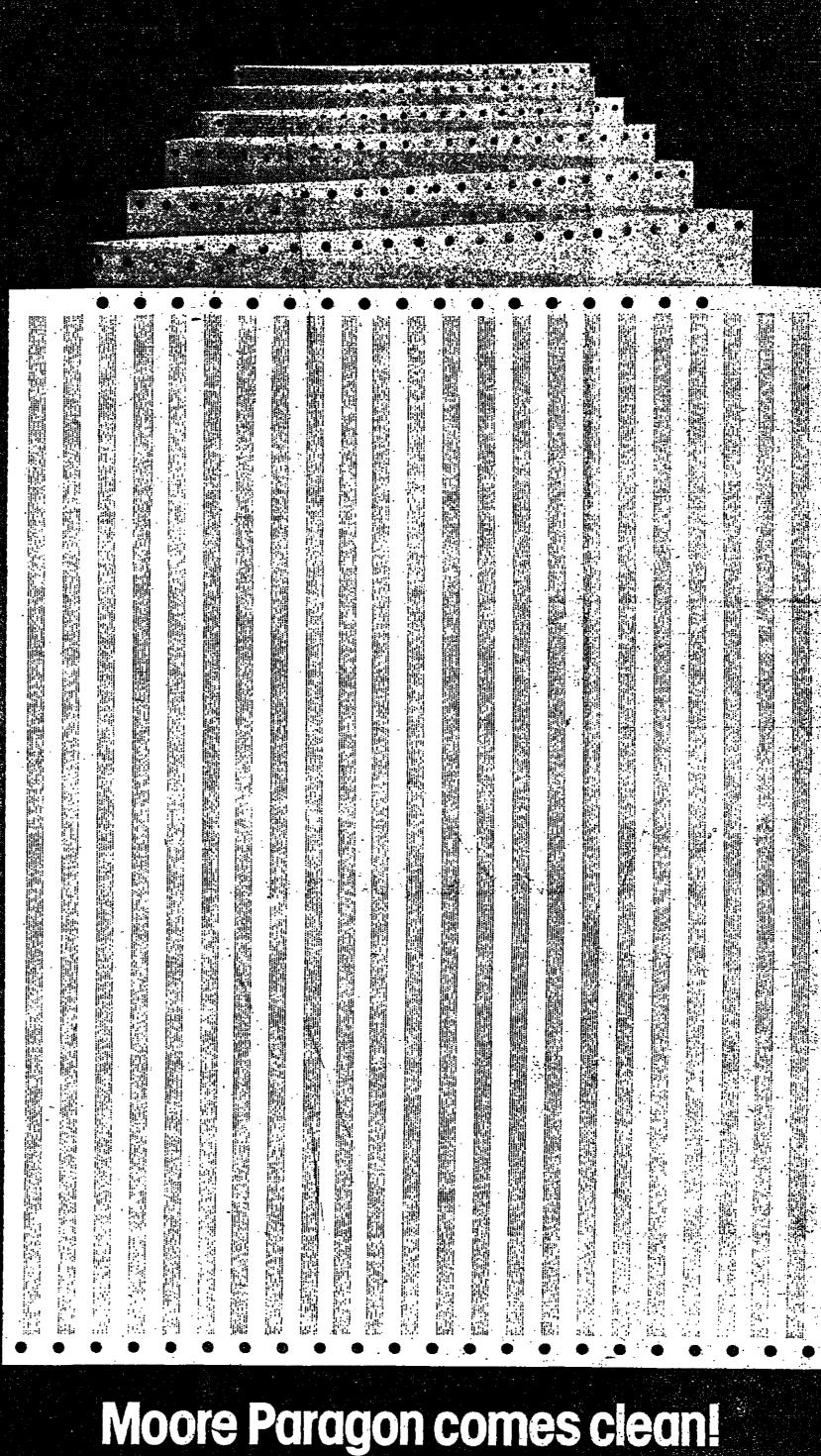
Before the European tests well as those with the outside They are, of course, much less take place, it is likely that a

Going back to the facility Progress

means of providing better comtransfer to another number. The units do not use a micro-munications in the office. One between four and several get frequently-used numbers For Pye/Philips, this kind of thousand intercom stations and even when these are ten digits work is a natural since they have is expanded by adding plug-in a lock-out switch.

Multitone has very recently released its T20 Transcoder, a

Ted Schoeters



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Accounting machines

vanguard of technical progress. share ratios become more thinly increasingly

what is generally known as the pliers. VRC to the SBS-from the visible record computer which needs the use of some form tation within the accountancy of hand-operated card to prompt machine industry makes it diffiit into action to the small busi- cult to determine within anyness machine, the latest generathing more than general lines equipment is a straightforward tion of accounting equipment just which manufacturing comwhich is virtually a mini (but panies do what and to what fully fledged) computer. Over extent. For the usual reasons the past year the increase in associated with not wishing to demand for small business intensify competition, manufac efforts. The major difference machines has been massive and turing companies are loath to

Information Centre—the client have been able to build up a memory bank based computer advisory ser market share in any particular demanded the insertion of some vice -the number of small specialist area. business machines used for accountancy purposes rose by Operation very nearly three-quarters in 1976. At the end of 1975 there were something like 8,500 small Machines-part of the Bur out that the new machines are business machines in operation roughs Corporation group in the in reality a simple extension of in the U.K., whereas in U.S.—has been operating since the conventional computer—and December of last year this it first began to manufacture as such are easier and cheaper figure had risen to around business machines in 1886. This to maintain and less labour

being propelled by all the major decessor of the modern Bur-machines, the visible record Philips attempting to increase tical adding machine, William machine is its ability to expand group Oce van der Griten, but their share of this important Seward Burroughs.

at will, their share of this important Seward Burroughs.

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Texas Instruments. Even the

spread, and the fringe areas are machines have brought new respect Philips Data Systems, At the moment customer demade up of any number of levels of productivity and fleximal is swinging away from what is generally known as the pliers.

spread, and the fringe areas are machines have blooded fleximated by the respect Philips Data Systems, that practices boundarded by the made up of any number of levels of productivity and fleximated which is part of Dutch Philips computer manufacturers in respect Philips Data Systems, that practices boundarded by the made up of any number of levels of productivity and fleximated which is part of Dutch Philips computer manufacturers in respect Philips Data Systems, that practices boundarded by the made up of any number of levels of productivity and fleximated which is part of Dutch Philips computer manufacturers in respect Philips Data Systems, that practices boundarded by the made up of any number of levels of productivity and fleximated which is part of Dutch Philips computer manufacturers in respect Philips Data Systems, that practices boundarded by the made up of any number of levels of productivity and fleximated which is part of Dutch Philips computer manufacturers in respect Philips Data Systems, that practices boundarded by the made up of any number of levels of productivity and fleximated which is part of Dutch Philips computer manufacturers in respect Philips Data Systems, that practices boundarded by the made up of any number of levels of productivity and fleximated which is part of Dutch Philips computer manufacturers in respect Philips Data Systems, that practices boundarded by the made up of any number of levels of productivity and fleximated by the made up of any number of levels of productivity and fleximated by the made up of any number of levels of productivity and fleximated by the made up of any number of levels of productivity and fleximated by the made up of any number of levels of productivity and fleximated by the made up of any number of levels of productivity and fleximated by the made up of any number of levels of productivity and fleximate

This high degree of fragmen-According to the Computer or the extent to which they machines lies in the latter's

In this country Burroughs Philips Data Systems points plant, in Nottingham, was an intensive, that is even freer of

the overall market in sophisti- ment in 1964. Four years later easily along with the growth and

creased memory and processing Range The company makes no secret

of the fact that its latest machines-and equally that the newest models, the small business machines, is where it is now concentrating most of its between the visible record comspell out exact levels of demand puters and the small business The former form of card, either punch or mation pre-fed on to a disc.

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THE ELECTRONIC accounting business machine market. To—Burroughs Machine, which machine business is going gether with Olivetti, these three through yet another period of transition. These days development in most electronics fields in most electronics fields in the overall market in sophisti-ment in 1964. Four years later to be pending on the addition machines through its subsidiary machine, which depending on the addition machines through its subsidiary and use of peripheral software. Calcutronics International (Nig the U.K. employing some 6,000 the small business machine can, people, first introduced electronics fields in this country by the Office and Electronic organisation. is a swift process and the cated accounting equipment the first major extension of the expansion of any business into. There are, of course, few from more conventional companies of this market, with introduction of its L2000 series, facturing companies provide methods of accounting have not puter research have been keeping the accounting machine end
of the business very much in the

buttoughs hour something like new technology came via the
puter research have been keeping the accounting machine end
of the business very much in the
a sixth. Thereafter the market computer. Since the 1960s
their equipment — and leave sometimes Dickensian legal

tronic reckons that its sales are run- machine market with a machine ning at best ever levels: in 1976 which, with programming and the company managed to lift trading, costs £4.650 excluding production per sales executive VAT, or roughly the annual by very nearly two-fifths, and salary of a top legal secretary. during the first six months of the current year this figure is typewriter, the new system will still as high as a third—despite handle the workload of any an increase in sales personnel.

magnetic, whereas the small machine market is, however, manufactured by LogAbax and business machine has its inforbusiness machine companies built around a microprocesso simply market other companies' and this is the key to its power

Oyez group, Solicitors Law

sophisticated room for expansion. In this profession has had its commercial practices bombarded by the has come from Solicitors Law, the printing, publishing and stationery company whose turn-The company's range of elec- over in 1976 came close to

Solicitors Law has just en-

Little larger than an electric legal practice with up to 5,000 This end of the accounting live accounts. The machine is manufacturing com- fications laid down by Solicitors panies. There are any number Law which has some 160 years of smaller operators, especially of experience in serving the in the U.K. where most smaller legal professions. The system is low cost and compactness.



The Oyez LX 2012 Solicitors' Accounting system.

The duplicating revolution

extension of the American manual demands than the Stationery, is a case in point ledger cards are handled auto licators are at the lower end of few years ago introduced the In the smaller end of the The switch in emphasis is Arithmeter Company—the pre- earlier generation of accounting and so is Ozalid along with matically, and it is claimed that the office equipment market, Faxil for producing high market, the companies have ging propelled by all the major description. Office and Electronic. Earlier the machine can be handled Their image is that of the inky quality stencil masters. manufacturers, with companies roughs—which was formed by computer. But perhaps the main this year Ozalid accepted a take- with little or no knowledge of machine in the corner of the However, the report on dupli- facturers of spirit and stencil like Burroughs. NCR, and the inventor of the first prac- attraction of the small business over offer from the Dutch data processing. duces leaflets for the church market was replacement rather in times of recession for users

> the fact that of all the equip-than 5 per cent. per annum between traditional offsets and ment considered here, the dupli- With this very much in mind, the copier duplicator, found cators have changed the least some of the companies-Gestet-Innovations in typewriters, word ner included - have been mov- served. The indications are the processors and copiers proceed ing into the copier market, the table-top offset machine apace, while duplicators largely where all agree sales will boom, will prove popular for som

> Reality conforms to the image to only a limited degree. It is true that spirit and stencil duplicators have changed little over involved. Both spirit and stencil here are produced with profesthe past decade, though there duplicators require masters to sional printers in mind, who have been modifications which be prepared before printing can have rather more precise and have made them generally begin. In the case of spirit exacting requirements than do cleaner, faster and more efficient machines, the master is usually office managers. Quality is perprinters. But at the offset end coated on one side with china haps the of the market, there is consider clay, and placed in contact with criterion.

able scope for innovation. costs must be kept low. Xero sheet. graphy and offset reproduction In the case of stencils, the graphic machines has narrowe is often too expensive to be master consists of a thin tissue

are around the £400 to £700 range: once again, manufac-turers find them attractive principally because of the sup-

Gesteiner and Roneo-Vickers are very much the dominant companies in the stencil market, while there is some importation of Rex Rotary machines. Gestetner exports a large quantity of machines from its factory in Tottenham: a recent report estimated that 55 per cent. of its duplicator turnover was accounted for by stencil The company duplicators. probably has haif of the world stencil market.

The market for stencil machines is a large one because of their cheapnessand has recently received an impetus because of the recession. Managers, especially in relatively small offices, can achieve considerable savingsin expenditure, if not in employees' time—by installing a stencil duplicator rather than a copier. It also tends to be a loyal one: customers usually replace old steucil machines with new ones, or are attracted by the more sophisticated ver-

Gestetner especially-moving away from the church hall image - is constantly experimenting with new peripheral devices, as for better copy

OFFICE MANAGERS can be registration (allowing for more graph. Rotaprint, Gestetner, Continuous stationery and forgiven for assuming that dup-accurate overprinting), and a AB Dick and Roneo-Vickers.

> Jeffrey Brown fete or the local candidate, than new users — as far as to sacrifice quality for cheapsplodgily and inefficiently. could be determined—and thus ness. They have also, in them.
>
> This image is reinforced by forecast a growth no higher attempts to bridge the gap

A word on the processes specialisation. a transfer sheet, coated with

One of the major/reasons why wax or dye. By writing or typing Rotaprint, Addressograph Mull there has been comparatively on the plain side of the master, tigraph and AB Dick all complittle tinkering with the spirit a laterally reversed image in pete in the big-offset field, splis and stencil models is because a wax and dye is produced. The ing both to jobbing printer high value is placed upon their master is then attached to the and (more importantly in recent high value is placed upon their master is then attached to the and (more importantly in recent high value). small size and the cheapness of drum of the machine, and con-producing copies. Copy volumes tact with successive sheets of The strength of these machine, are often not high for many of spirit-damped copy paper continues to lie in the quality the organisations which will use releases a small quantity of dye, of reproduction they product small duplicators, and copy giving a correct copy on each even though the gap between

considered as an option-it is coated with a plastic material, the either a duplicator or nothing. The coating seals the tissue, pre- machines as the Rank Xerd

of volume of sales in the

" mew years to come.

Finally, at the heavy end of the market, we find increasing

Gestetner, their quality and that of Xero considerably, especially with introduction of

In many ways, it is the hi quality xerographic copie which are the competitors the large printing machine effect of forcing the manufact turers of the latter to make them easier to operate, to introl duce such refinements as auto But in matic document feeds.

the 1980s, though it is obvious

John Lloyd

The attraction to the people venting the passage of ink until 9200. and institutions who buy such cut by the typewriter or other duplicators is obvious enough, method. The master, once typed, But what is the attraction to is clamped on the machine's the manufacturers? Most com- drum, and pressure causes the panies in the office equipment ink to penetrate through the cut and this is having the health business stress their need for areas on to the paper fed into a high volume of sales and a the machine. good profit margin: so why Offset lithography used to be bother with spirit duplicators? quite different from spirit and The market is, in this case, stencil duplicating, and in benign. There is a constant operation, it still is. need by the users of spirit recent years, small table-top off. Finally, can the "traditional" duplicators for supplies: and set machines have challenged machines—spirit, stencil or most will consume two or three the spirit and stencil duplicators offset—hope to survive the on times their capital cost in sup- for convenience, and the mar. slaught of the xerographics in plies each year. So there are ket is growing. Roneo-Vickers, the long-term? The answer i a number of companies very for example, markets only table- probably no: growth rates pro much in the market: Ofrex and top machines, and Gestetner has jected for all the traditional Ozalid still probably taking the a variety of table-top machines machines tend to decline into lion's share of it in the U.K., on the market. together with the Gestetner sub. The major suppliers and that there will still be markets sidiary Rex Rotary, and Roneo manufacturers are, in order especially overseas. Stencils are a little higher up U.K., the scale: more sophisticated, but still a good deal less so than offset machines, and much less costly to run. Stencil machines

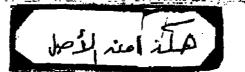
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conditions to match their abilities, you're wasting your money. It's a principle that we at Hille and Form see demonstrated practically every week of the year.

We install office systems and there's no other company in Britain with more experience than us. We work from, if you like, the bare shell of the office right down to the calendars on the walls. And from the 70 rears we've spent in business, we know that people want to work, hey want to be able to take pride in their effort and they'd far rather be efficient and constructive than muddled and obstructive.

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methodology as we think it would be relevant to your new set up, and then co-ordinate with you or your architects, the design of the interior and install all the necessary furniture and furnishings.

We could go through the same processes if you were simply updating your company. And when it comes to installation, we'd take care of everything from room layout to light fittings and curtain colour

We might, if you like, advise you on maybe just one facet of a possible change or move rather than on the whole plan We'll even just produce a report on your current environment, to advise on the way we think your business method should go, on whether or not, for example, a move would be a good idea.

We've been able to give substantial help to people who just stayed where they were. Simply by reorganising the workflow, equipment and layout around the staff to make a more efficient use of space. And with rent at around £10 a square foot in London and other

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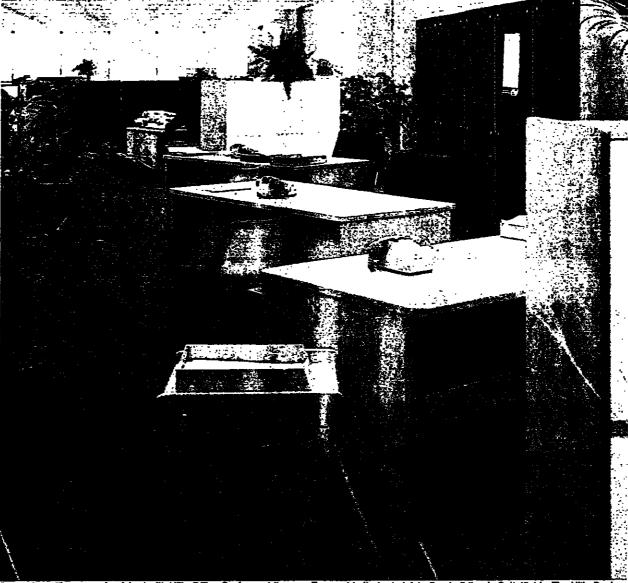
The Hille Group of Companies.



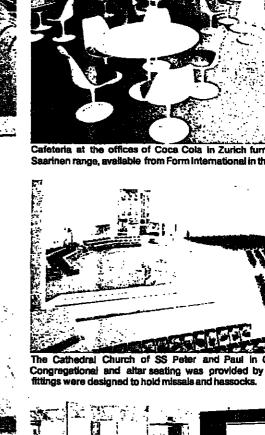
One of a series of conference rooms furnished by Form International for Merchant Bankers ed are the MR chairs designed by Mies van der Rohe whose furniture is

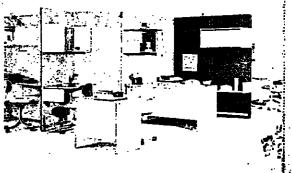


Reception area furnished with Hille Dolce Seating at the head-quarters of Finance for Industry on London's South Bank



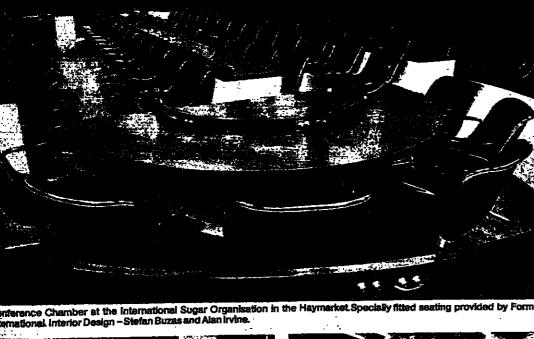
Open plan office areas furnished with Hille Office Systems at the new Truman Limited administration building in Spitalfields. The Hille Design Unit were responsible for office planning and layout in conjunction with Arup Associates, architects for the entire project which has just won the Business and Industry Award for the Em

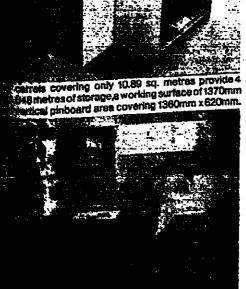




Hille has long-standing ficencing links throughout South America for HOS and other products. Illustrated is an HOS installation in





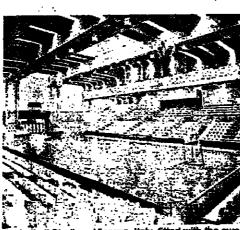


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martfloyel Free Hospital in Hampstead. Hille of the hospital in the waiting areas,



Basketball Stadium, Vicenza, Italy, fitted with the award winning Hille Polypropylene Chair Programme. Sales of the Chairs now exceed 8,000,000.





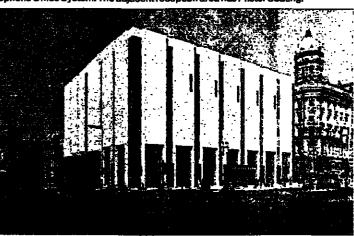
international headquarters of the Dr. Pepper Company in Dalias, Texas, turnished with the Stephens Office System, as manufactured in the U.K. by Form International.



Screen hung administrative work space designed for the Screen hung administrative work space designed for the Mexico Olympic Stadium built for the 1968 Games. Hille won the contract to supply 38,000 seats world Trade Centre in Hong Kong. An outstanding export in the main stadium. Hille specialize in mass seating indoor and outdoor projects around the world.



Individual offices and the open plan secretarial area are furnished with the Stephens Office System. The adjacent reception area has Pfister Seating.



The Northern Bank Belfast. Furnished throughout with the Stephen's system. Architects and Interior Designers, Building Design Partnership.



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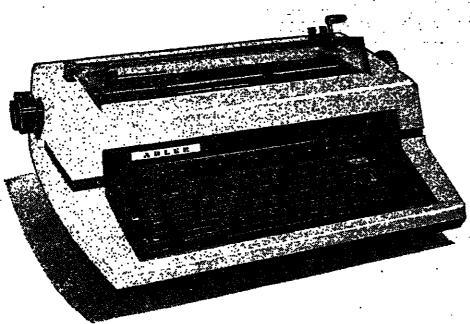
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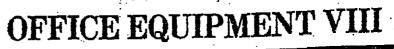
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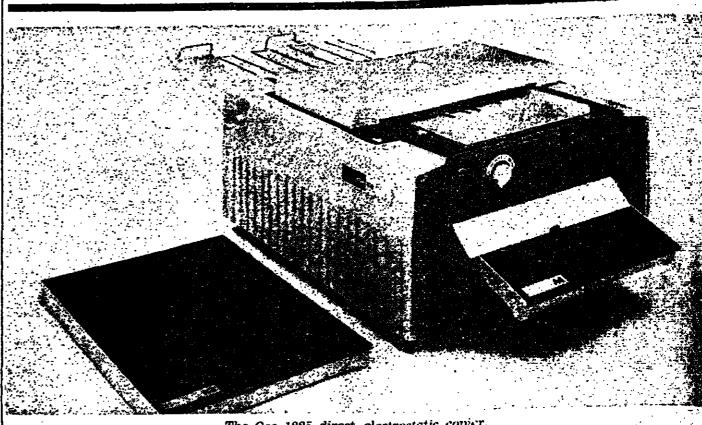
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ard Leicobo





The Oce 1225 direct electrostatic copier

Copiers thrive on competition

ONE OF THE odd things about man Kodak Ectaprint 100 the copier market is that the tering the market possibly toconsumer appears to have beneof Xerox and Rank Xerox in sequently fierce competition.

protected by patents for nearly Rank Xerox's, and the company two decades, allowed the com-appears to have been pany to develop a market which lew people envisaged would grow at such a spectacular pace.

Relatively high prices allowed Xerox to build up an impressive service network and to finance a huge research and third generation of machines. of modern copiers has depended

Then, at the end of the 1960's. when customers were heginning to be restive at what many considered to be overhigh prices, competitors started to move in azgressively with machines which were in some cases much cheaper, and in applications offered superior facilities.

Challenge

challenge came from Japan machine does. where Mitsubishi and Ricoh successfully attacked the lower end of the market with low-priced offered by their giant com- so far, 3,000 of the "9,200"

Japanese machines marketed machines designed and marthey must swim with the tide system. of convenience copying or risk being overwhelmed

Five years ago there were only five models of plain paper copier on the market in compcwith those of Rank Xerox. Three years ago, there were 16, and now there are more Some of the new comers, like the equipment made by Oce van der Grinten. the Dutch company which recently took over Ozalid, and a new machine from Gestetner. make very high quality copies. As a result of the competition. Rank Xerox's share of new placements has fallen from about 90 per cent, to about 20 per cent. However, since competition has approached from the smaller end of the market. Rank Xerox's share of nev revenues is probably more like 60 to 70 per cent,

One of the main questions for the future, therefore, is whether the competition can make a significant inroad into Rank Xerox's still dominant nosition in the field of large high volume copiers and the copier-dupiicator.

So far, there has been no significant challenge from the Japanese to the machines capable of more than 15,000 copies a month. The Ricoh machines. for example, are thought to be averaging about 6 000 conies a month in the U.K. although they are capable of considerably greater output

By comparison, the Rank Xerox copier-duplicator, the 9200, can achieve 100,000 copies a month, and brings in corre spondingly greater revenue.

In the copier-duplicator mar ket for machines capable of 30.000 to 50.000 copies a mont the main fight appears likely to he between Rank Xerox's 3600 and 7000 families and the IBM copier 3, with the East

the 1960s and from the sub-been steady rather than spectacular. Prices in the U.K. have Xerox's worldwide monopoly, been somewhat higher than The copier-duplicator market is also being attacked simul-

taneously by technical developments of rival systems. Gesterner, for example, now has a system by which facsimile stencils can be made of original exact copies can then be to off cheaply on a conventional duplicator without the need for a typist to cut stencils. For longer runs and higher

quality. Gestetner and Oce can both offer a combination of The copier can make a plate which is used to run off almost unlimited copies on the litho This system offers a real chal-

lenge to the 9200, through high quality and relative cheapness. system offers greater convenience and it does not require Perhaps the most spectacular a skilled operator as an offset

Stockbrokers Scott Goff and Hancock, who are currently premachines for sale rather than paring their next report on rental. They compared favour Rank Xeros and the Office ably in quality with anything equipment market, estimate that machines have been placed.

This is a slower rate of peneby Kalle and Nashua in the U.K. tration than Rank Xerox origin-duplicators. have been joined by good quality ally hoped for, but on the other hand. Scott, Goff say that there any new aspirant to the top end machines where it is believe keted by other office equipment is strong evidence that users of the market, is that the larger a system called a photo recept companies who realised that are well satisfied with the and more complicated the belt could eventually reduced

> The main question now is portant is servicing. and IBM can bear the very high done well be selling basically impact for the next two years. development costs required for reliable small machines which so, but when they do an excita an attack on the top end of the do not need very much ser- new turbulence can be expected example. machine, which uses a liquid very hard to compete with the toner, could not be developed efficient service network built



The Gerafax X-10 Plain Paper Copier.

to achieve the very high speeds up by Rank Xerox.

machines become, the more im- prices by as much as half.

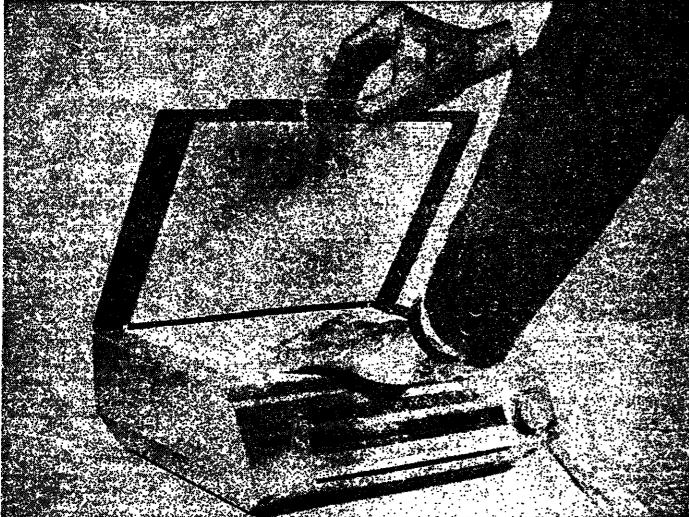
whether rivals to Rank Xerox Japanese, in particular, have expected to have a significal It is thought, for vicing. At the higher end of in this already swift move that the Ricoh the market, they would find it market.

needed for the faster copier. Much of the current develop ment work appears to be con The other difficulty facing centrated on the small

The These new machines are n

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IT'S MANUELL HOUSE	Pinco tel me more obout New Mapper
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	LL DRINK TO THAT GF MAXDAX



The 3M Scotch copier.

Colour copiers about to appear

rapid innovation in the copier market, as more and more firms desert the carbon copy for the duplicated copy on short runs and then seek improved quality of copy. At the higher quality end of the market, there are a number of machines whose speed and reproduction quality challenges the offset litho machines. More dramatically. perhaps, the first colour copier is on the verge of being

First, colour. through into colour has been made by Rank Xerox, which dominates the European copying market. Two-and-a-halfears ago, Rank Xerox selected number of diverse companies. and leased them the Xerox 6500 on an extended trial basis.

The break-

Amon2 selected were Shell, Unilever and the British Steel Corporatogether with large advertising agencies and design workshops Both customers. and Rank appear well pleased with the results of the trial. The Xerox 6500 has four

colour-selector buttons - full colour, yellow, magenta and cyan (light blue). Full colour, obviously, will reproduce a colour likeness of the original. The individual colours are selected if, as is often the case. the operator wants a number of

the black and white times.

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An Oyez 2000 plain paper copier in use at Bartletts Bookmakers in Tipton, Staffs.

paper, and can reproduce from an attempt to pre-empt the little extra prestige from the typed document from the origiopaque, translucent or trans- office forger. Rank Xerox insists material it mails to clients. parent originals with no that the machine is kept conminimum limit on their size, stantly locked when not in use, fore, as large as the copier mar. The major competitors in
It has the disadvantage of and that the keys are kept with ket itself. There are perhaps the stantage of any the stantage of the copier mar. being relatively slow, compared a responsible person at all 100,000 copiers in use in the Rank Xerox 9200, the IBM

You have to wait Rank Xerox says it has no over half a minute for the first idea of the potential size of the

copies of a document with the copy of a full-colour run, and market, but it does have a and often are used by com-type in blue, or red. The 20 seconds for a one-colour run. shrewd idea of the people who panies who have a printing buttons can also be pressed in There are also problems about would be immediately attracted plant within their organisation. combinations to give an the very efficiency of the to it. These would include to supplement or replace an offchoice of seven machine. Its reproduction is designers, advertising agencies, set litho machine accurate enough to make a re. large publishers: beyond that Nevertheless, their speed and the produced banknote appear "natural" market, then any convenience—especially their advantage of using plain bond genuine on casual handling. In company which is looking for a ability to copy any written or

> The potential market is, there. a market. rising sharply. Rank sees no Ektaprint 100 and 150 range. reason why, in the long run, Of these, the Kodak machines all of these present and prospec. are not yet available in the tive customers should not switch U.K.: the viewers are switching to colour trials.

are none for sale—is £250 a runs—they are designed for top end of Rank's tariff, which copies a month. They offer runs from about £24 per month automatic document handling for the little 6/60 to close on and sorting, and some offer a £250 for the largest and swiftest reduction process whereby an machines. The cost per copy is extra large document can be

ally enough-tend to discount. Figures on how many of these Rank's claim that the 6500 is machines are now in use are he sign of the future—though in theory impossible to obtain IBM, for example, which has because of the conventions of no colour duplicator, admits secrety which surround the that it will have to get into the business.

Facilities

as the acme of their range are offer some unique features. A the high-speed, high quality recent survey reckoned that copier-duplicators, offering such Kodak could not hope to comfacilities as reduction, recirculating document feeds and auto-These machines are for the

user who frequently wants com-position, though the willingness paratively long runs: they are of IBM to sustain short-run thus eating into the area which trading losses may mean the has up to the present been reeveninally increasing its marcarded as the preserve of the
ker share. However, since they can also the office equipment business he used economically for short the competition is exceptionally runs, they have an added advan. herce.

To assess their future chances

the office, it, is necessary to nsider briefly the arguments he manufacturers and distribu ors of copiers, which in turn letermine their market strategy Perhaps the dominant " philo

sophy" in the office and business equipment trade in the 1970s is that of the integrated where office machines storupg copying and aransmis organisation and to other organisations outside are gathered together within arm's length of a secretary. Much of the research and innovation currently being carried out by the large office equipment organisations-IBM. Rank Xerox, Gestetner. ing with this rough model in

Some companies—as Olympia. Nashua and Minalinost wholly confine their output to desk-top copiers, stressing the appropriateness of such machines to modern bureaucracies.

The large machines manifestly do not fit into this perspective. They are too big. often too expensive, to proliferate in any but the most grandiose of organisations. They are thus unlikely to be sold or rented in very large numbers.

nal-seem likely to ensure them

U.K. now, and that figure is Copier III and the Kodak placements in to colour, rather as the nation's America are still completing

The features these machines The rental of the 6500-there offer are their ability to do long This brings it to the users who want 30,000 plus shrunk to the platen size be-Other manufacturers-natur- fore being reproduced.

It is too early to say how the Kodak 1000 150s will fare once they are released in the What the other companies see market, though the 150 does U.K.: they will be late on the pete seriously in the European market until the early 1980s. Rank Xerox should-the survey

In copiers, as elsewhere in

Howlongcan your business manage without them?

Every business depends on information.

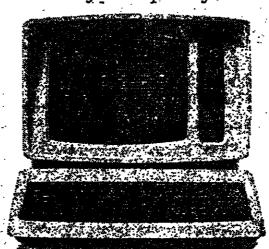
Not just general information about sales, revenue, profits or investments, but the detailed accurate facts that are used every day by people at all levels of any organisation

Information about customers, orders, deliveries. stock levels, payments, prices, policy claims, employees - the list is endless.

Computers, of course, can nelp by storing information. But they are not always very good at making it readily available to those who need to use it.

They also process information, but their processing power is not often easily accessible outside the computer room.

So, although a central data processing operation may be necessary to help run your total



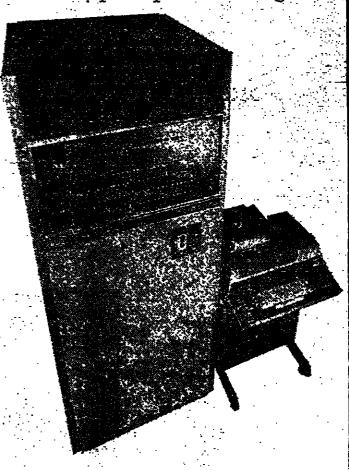
business, the real needs of staff out in your sales offices, warehouses and factories are often not fully met.

That's because they have to be responsible for, and to control their own information but, even more important, identify with its accuracy.

What they need is local computing power to help them perform their function effectively.

The new ITT Business Systems products shown here help you to put the power and information handling ability of your computer at the disposal of your staff, whilst allowing you to retain-central control.

And the staff who use them won't require special training.



We believe that the potential of such machines is so great that pretty soon they will be as essential as the telephone to most businesses.

In the meantime, those companies which are already customers of ITT Business Systems are gaining some unique advantages in terms of cost effectiveness and efficiency.

How long can your business manage without them?

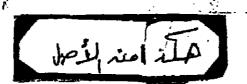
An invitation from Geoff Meadowcroft, General Sales Manager, ITT Business Systems:

"Why not find out more about ITT Business Systems, our products and our nationwide sales and service organisation. by getting your secretary to call 01-373 1708. Ask her to leave your name and the name of your company with us. we'll have a ticket waiting for you at our Exhibition at the London International Hotel.

It's taking place tomorrow, Wednesday and Thursday, 4th, 5th and 6th October. If you can't make it on those days, contact me at the address below and we'll be happy to talk business with you".

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and so on. And there's other facilities too. Privacy, Fiority calling, secretarial transfer etc., This new unique micro-processor exchange

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voice reproduction. Speeding up business communications must be good for business. And the Midex features give you even more versatility.

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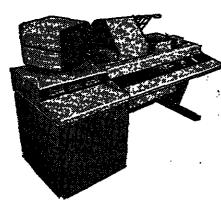
more information or a demonstration. contacta

Contacta Communication Systems Ltd. 32 Pope Road, Bromley, Kent. Tel: 01-464 7214 Please send further details on the new Midex exchange

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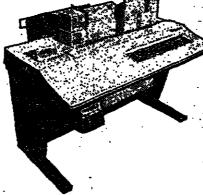
Finally, because problems come in different sizes-so do Adler computers. Costs range from £4000 to £35000. Return the coupon and find out more about our range. It's an advantage no company should be without.



The Adler TA1000

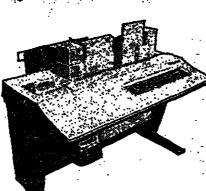
Computers are a great advantage, but my company doesn't really need one.

Does it?



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The Adler TA20

Wide variety of peripherals

intelligence of a sort to the equipment into which it is connected, the definition of a peri-pheral unit—that is peripheral to a computer—is becoming

It is now possible to buy what looks like a TV screen with a typewriter keyboard and, plugging it into a 13 amp power point, find that one has a personal desk-top computer able to handle much of the work that ten years ago would have had be undertaken by a big machine. In this category belong the "Pet" personal computer presented a few months ago, the Jacquard Video-Computer supported by Computer Ancillaries (CAI) and probably IBM's (just) portable

Even further down the scale are the calculator-like stock data capture units which are designed to record goods depletion in large stores and warehouses. They would not norm ally have a microprocessor though a recent model backed by Unilever's computer services is driven by one—and are equipped to release their accumulated data over telephone lines via an acoustic

describing types of peripherals that could be encountered day by day in offices is to consider the kind of services it is possible to conjure up through them.

coupler to a central stock con-

Building

For instance, in the offices at the same time. of large building groups, civil large amount of money on model of the British economy to operate two lasers which in-

trol and order preparation developing standard programs which a group of backers has omputer. which allow a designer to put been manipulating with some Possibly the best way of in outline ideas for a bridge startling results. escribing types of peripherals structure or a major road Highly specialised terminals

NEL in East Kilbride of at rough outline drawing into the SIA in London - define the finished artwork ready for the design in three dimensions production of the correspondand manipulate it to fit in with ing circuit board. the constraints transmitted by

Terminals also can be used engineers or architects, it to gain access to a whole host would not be surprising to find of mathematical and economics a display and keyboard, or a routines worked out by com- pieces of electronic equipment plotter and a communications puter companies and service printer which can be linked bureaux to enable companies over Post Office lines to one of to do corporate modelling and fillow the curves of any shape, a number of centres which pro- then put in questions such as vide computer assisted design "if we decide to do this in support. Set-up in Cambridge present economic circumsome ten years ago with stances what can we expect to end is a laser interferometer Ministry of Technology back-happen to the company." The which transmits measured the Computer Assisted Scicon bureau/consultancy for angles and distances to a small Design Centre has spent a instance is running the Treasury computer. This is programmed

The IBM Office System 6 provides word processing and information processing capability.

junction and have a large com- by Ferranti-Cetek can be used puter at Cambridge — or at by circuit designers to turn a

years could be the measuring for one of the most ingenious devised this decade. It is in effect a 3D copier which will sent definable and reproduce must be sent exactly. The measuring peripherals

to the one illuminated by the measuring laser at moment. It follows that as the latter describes the contour of the object, so the intersecting

slave beams must follow suit. The ingenuity of the reproducing device lies in the fact that to make a permanent record of the measured shape it uses otherwise transpare material which is affected chemically only where two laser beams of differing colours in

Device

The measuring device could be in an engineering centre in London and the reproduction unit in Canada, the computed information being transmitted over cable or satellite links.

Again, can one call IBM's Office System 6 a "peripheral" covering as it does a number of units between magnetic card typewriters and the small computer? They can be combined with ability to turn out high quality documents from reports to contracts, taking on letters as a matter of course. But such work stations can report statistics and other data to com puters and take instructions from them, and do the same extent even the complex system that can be built up from IBM's OS 6 equipments—which include one of the most accurate in jet printers ever designed are peripherals.

peripherals/terminals market will reach ground \$46m or 70 per cent. of the total value of the date bank controllers television authorities and the

Ted Schoeters

Computers for the smaller office

running of businesses from a everything. central point will be taken over by small computing installations Clear set up in offices at key points, such as factories and depots,

of another machine in the new are constantly reducing the cost work in the case of failure, so of computation. Citibank in the that at no time will the users be U.S., which is replacing a very totally bereft of computer large central processing facility power, as can happen now if a with hundreds of small installation is uncounter large constantly reducing the cost information concerning its work.

But central supervision of local This is an area of the small data bases will be required as business machine field which will decisions on levels of conhain to National Computing Centre fidentiality. affected by cable damage or

comprehensive and—possing— magnitudes with natural to point out that they can meet specialist services such as the this return to greater simplicity routines together with a certain to point out that they can meet specialist services such as the continued on Next PAGE

IN TEN years' time it is very dangers of an organisation be Yet this equipment is based virtually any requirement of

people are beginning to quest originated tion previous assumptions about It will a the ability to take over the tasks of another machine in the netare constantly reducing the cost information concerning its work done.

rapid growth in the use of small mortgage repayments for as provide invoicing or stock con- entry level computer users. ocal machines is the reduction many years ahead as required trol as required and for, say, This still does not protect the of management control over on the basis of standard infor- £6,000 a fully capable ledger complete tyro, however. centralised data-processing sys-mation and at a touch of a control unit.

This situation has brought tems as these have become more button. Similar scientific Manufacturers of general about, so far as micros are comprehensive and—possibly— machines will handle complex purpose machines will be quick concerned, the emergence of

likely that most of the functions coming totally computer-depen- on three to four year old tech- the business user "from stock" of medium to large-scale compu-dent where there is a single nology. So it is hardly surprise so to speak, whereas the micro ters now used in the control and octopus like system running ing to read predictions that and some mini-based equipments

ffected by cable damage or about £20 it is possible to possible to get for not much Society, both of which organisabutage.

For about £20 it is possible to possible to get for not much Society, both of which organisabut a pocket calculator which more than £1,000 a micro-tions run small computer user will happily calculate monthly processor-based unit that will groups or functions to help

when the micro-computer begins are very much unknown quanto be used for "processing at titles having few or no tried source" many of the functions and tested working routines, now carried out in central com. They will be supplied in some puter areas will return to the instances, by companies with and operating on events as they thing is very clear - many offices where the process data out the resources required to support all the components of They will communicate the daily, hourly or instant results of their work as the case requires to a head office computer. In many instances they will have In many instances they will have now that the small mini and the ately have a "memory cell" on the U.S. West Coast) in order

In the meantime it is already and the British Computer

"Wonderful news, Henry. We've won that contract. How quickly can we re-schedule?"



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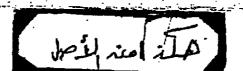
They provide timely information on the state of the company or the company's

transport fleet. If staff fall fil, a computer can evaluate the effects that will have on the general running of the business.

If you're going to expand your business. in any way, computers will inevitably be a part of that increased growth, in the next decade. Deal only with the most experienced.

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British exporters lag behind

2000m. in 1975, the British in agement and worker representative.

dustry is apparently making tives on the working party that To compound the problem,

rate which could perhaps have been attained. For that and

there are prospects for a con- at 1975 prices. tinuing strong increase in world. demand for office machines,

ket is less buoyant. ing party study carried out of the level other than that of a pro- any attempt to pul a finer figure vider of products at the low on this is difficult. technology end of the market, or of an assembler of machinery with higher import content and a low U.K value added element.

According to the working involved in the manufacture of traditional electro-mechanical products has maintained a good market position.

Reasons

WITH OVERALL exports of innovative companies, which multinationals which are abreast world and particularly Western office equipment amounting to have been so successful in other of the technology have indicated European markets, it seems un-

in 1968 and 5 per cent in 1973). fulfil such a role.

Assuming continuance of an other reasons both Government average 11 per cent a year in Objectives and industry are now looking crease that has characterised world trade in office machinery

It is clear that a changing confidence about the home mar feature of the world office machinery market is the effect According to a sectoral work- of microcircuitry on the design traditional under the National Economic machines. The growth in areas Development Council, it is felt of the office machine market that the U.K. office machinery where such techniques are likely manufacturing industry is now to be cost effective is generally facing crucial choices in some expected to be explosive, in exsectors if it is to survive at a cess of 25 per cent a year, but

pected demand for automatic machines. typewriters, which one report party report, published late last and 1980 from 400,000 to 850,000 suggests will grow between 1975 year, the part of the industry in the United States and from 40,000 to 400,000 in the Common

as a whole, and points out that the British-owned companies, But in the fast growing elec- although often of considerable tronic product areas the U.K. scale and with excellent marketbehind foreign competition, ally have the electronics capa-The reasons for this are prob- bility, and there is little scope ably the high cost of rationalisa- to accelerate the learning protion to electronic products and cess by joint ventures with U.K. recent economic environ- companies which have this kind ment in Britain, which has not of technical knowledge. Second, been conducive to small, highly many of the foreign owned and to compete effectively in

Have a Sanyo

on your staft!

around £670m. last year com- countries, particularly the U.S. that they are unable to depend likely that more than a modest with slightly under It was agreed by both man on the U.K. electronics infra-increase in exports in value

sectors it is lagging industry's share of world ex. companies may be most advant all-industry objective.

It is further suggested that on The British industry is highly since 1963, the objective is to present trends the ability of the involved in world markets and hold its 1975 share of that trade. U.K. office machinery manuface equipment exceeded imports in its product range bears com- This would call for a 70 per turing industry to meet any parison with any other except cent, rise in U.K. exports by sectoral objectives that can be on estimates of a possible in the U.S. and Japan. Although 1980 to a level of some £200m. put forward will rest to a con- creased worldwide demand for the foreign-owned multinational here. They, in turn, have indicated that any further investment in Britain will depend on improvement in productivity.

> Looking at export potential by sector, the picture is no more encouraging. Although the reputation of U.K. stencil duplicators remains high, this is a fairly static market, and although export growth may be above vorld market growth, it will be An example of the tremen-relatively slow. A similar outdous growth potential is the ex- look is seen for offset litho

cient growth in exports to attain However, the working party tive, but one imponderable is pessimistic about British the pace of development of the tive, but one imponderable is chances of success in the area automatic typewriter and word processing markets. These are likely to be subject to explosive the report warns that at present owned companies have lagged ing reputations, do not gener the British industry is ill equipped to benefit from it.

> Although some British manufacturers of electronic calculato. have managed to achieve a reputation for quality products

terms will be achieved by 1980.

use of the period of domestic the industry's overall objective where link-ups between mann, other hand, are seen as a prorecession to look for sales should be to arrest and if post facturers of traditional products duct group which could make a abroad, but it is clear that in sible reverse the decline in the and "electronics know-how" significant contribution to the In addition these figures, which seen in terms of inflation, do not reflect the export growth falls which could never the export growth falls which could never the export growth in 1963 to 6 per cent. of basic electric cash registers since a large market demand is currently being met by imported products, particularly

> Exports of document copying both 1974 and 1975, and based siderable degree in the hand of copiers of around 35-50 per cent. by 1980, it is likely that companies already operating U.K.-based companies can make good contribution to

> > Overall, it is suggested that the industry should seek to re duce the level of import penetration to around 65 per cent, its level in the late 1960s. As suming a 20 per cent, increase in the U.K. consumption by 1980, this objective would require increased production of about £18m. at 1975 prices (£9m. for import substitution and £9m. for growth).

The attainment of both the import reduction and increased Typewriters, now produced in import reduction and increased Britain solely by foreign multi-nationals, could achieve sufficiently total home market demand were total home market demand were total home market demand were total home. to rise by 20 per cent. by 1980 double the average rate of require an extra £100m. a yea growth assumed in the object production in the terminal year means that production would need to rise to £260m, at .1975 prices, a 60 per cent, increase.

This outline for the industry growth in the years to 1980, but although apparently difficult in terms of its goals, is likely to become, with modifications, part of the Government's overall industrial strategy which will be outlined in the near future when all the sectoral working

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Smaller office

of micros, Zilog for instance, shoulders with all the time, that will allow users to design to comprehend. If the operators their own routines and try them do not get the right information isation in Britain, Alex d'Aga- diate and to the point, peyeff, is, in fact, going so far At the same time, the newest as to say that micros are already computing equipment provides data applications and that it is the amount of verification it can virtually impossible to make do on all data fed to it, and that neat price classifications any at continually diminishing cost. more. One of the main reasons Not all the minis shipped are he adduces is that micros are used for business work, of proving easier to operate with course. But a great many are

d'Agapeyeff, who is not given made for micro operations. to forecasting unless he is pretty Compactness sure of the base, predicts that
most of the micro makers will Because of their compactness

In the meantime, however, the battle between the emergent tions issued, goods despatched. minis and the larger business machines continues. And the minis are winning, with shipments growing faster than for And waiting in the wines is any other sector of the com-puting market. Unable to beat them the traditionalist large machine makers are joining and machine and receive instruc-every one except, perhaps, ICL tions from it. or take a whole

leading. One point seems clear corder and guide and be however. If computer power, emptied of its information for particularly as used by the big further processing on return. service organisations, returns to This idea was evolved at City the local offices, the per-University and is being propetuation of infuriating mis moted by Jebal Miscrosystems akes should become impossible. (J. E. Brignell Associates) with Most people have their pet the backing of City Univerblame the computer" stories sity's microprocessor laboratory. many of which are unfortunately. The Roving Slave Processor has true. If invoicing for services an enormous mileage in it. rendered takes place locally. Thus, the movement which mistakes are far more quickly began as computer user liberapinpointed and personal inter- tion from the dominance of the vention is much more likely to big manufacturers could have a lasting effect than if the ultimately lead to better service

well be a return to far greater

Microsoft centre set up by Com- Another effect must be far puter Analysts and Program- greater interest in the job per-(CAP), to allow any formed. No longer will the cenbusiness intending to use micro- tral computer be some strange based equipment for god propitiated with offerings business applications to work of masses of cards or tape and out all the routines it will have issuing oracular statements to do beforehand. through its high priests. The

It is also prompting makers latter will be people one rubs to develop working kits of parts doing work that is not too hard out till they operate perfectly, from the staff surrounding The head of the CAP organ- them, communication is imme-

overtaking the mini in business better support to its users by widely employed computer and a growing proportion is languages than several of the appearing in the guise of clever minis, largely because of the terminals used by some operavailability of solid-state tors to provide local support memory which appears tailor-made for micro operations.

be launching their own small and generally greater ease of business systems within the not-use in "conversational" work too-distant future and at prices the small, fast machines could which will make the minicom-spur the trend towards a puter builders shudder, let method of operation called alone the builders of general transaction processing in which business is dealt with (orderreceived, warehouse instruc-

And waiting in the wings is has brought out a mini/very mass of information and then small business system of its be carried by a salesman or a designer or decision-maker on It is hard to discern where a protracted tour. It would serve all these developments are as a reference unit, data re-

offending computer centre is to the public and a far more one effect of the small, comprehensive machine could thus well be a return to far greater

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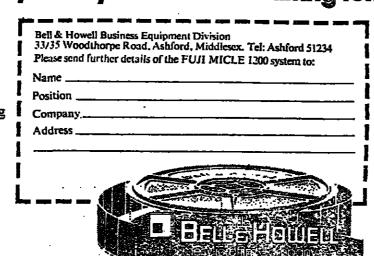
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Computers should make business more efficient. So what goes wrong?

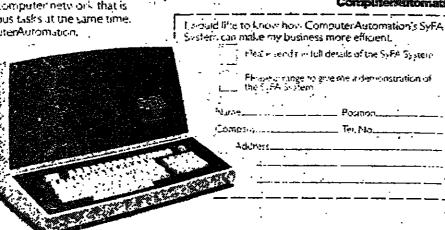


answer for fast accurate information processing and communication with a central 'mainframe' computer. To put right what otherwise goes wrong, on distributed processing and the SyFA System. and would like to discuss your management information

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Survival of the large computer

LOOKING AT the present-rapid machines with costs below processing. But because people savings and can be deliven changes in technology and £150.000 as bearing the brunt have learned how costly precipi-sooner."

With the power of two kinds and the processing the brunt have learned how costly precipi-sooner. that large computers are on the pronged—from minis of course, progress is likely to be cautious from intelligent terminals sup- and steady.

It is pertinent to ask what from service bureaus. And it functions around a biggish observes that nevertheless the general-purpose machine has big systems are getting bigger, well, there seems to be no letter or more powerful and concludes up in new product announcements from limit the that the key factor in the future ments, though whether all are contain some cost surprises or some are contain some cost surprises. echnologists are heading.

place in the minis themselves come in a random fashion. an influence from now on is the requirement, install a lo and defines three classes in Load planning is thus going to emergence of competition for unit and link it to one of the these machines. There are be more difficult. micro-minis which are likely to be built up around one or more competence micro-processors: minis of more traditional constructions up to about £15,000; petence of the computing Amdale has a marketing base in in other circumstances, wo and super-minis which will have centre term will increase by software and will be capable the new operational modes the Data has its Omega processors of pounds to acquire by the take over at lower least later. take over at lower installation support. and operating costs all the appear to be that unless such a functions of large standard challenge is forthcoming within

Analysis of end-users shows it is offered. that one third of this year's The nature of business comby 1981 (34,700 out of 67,800), processor but also of the users in Europe will look at stant service to people w At the same time there is a ability of the whole array to alternative processors. A re- have been in the job for we must similar the same time there is a ability of the whole array to alternative processors. most significant figure for ship- handle large numbers of ter. cent survey of a group of 168 and know how to get the tements for large system support minals concurrently and inexample and 158 users in the U.S. out of every piece of equivalent this year should be supported by the state of the second that only a should be supported by the state of the second that only a should be supported by the state of the second that only a should be supported by the state of the second that only a support minals concurrently and inexample and the second that only a support minals concurrently and inexample and the second that only a support minals concurrently and inexample and the second that only a support minals concurrently and inexample and the second that the second the second that the second th which is this year about 7 per pensively. This does not mean showed that only 3 per cent, ment they buy, or lease, 7 cent, of the total (2,000) rising that all large machines of this were so convinced of the gentle Associates had drawn attention tion has changed from general Some 65 per cent. had taken under-used. Burcaux can to the changes at the top of the purpose computing, or the the step of evaluating and of market observing that while ability to do all below the changes at the top of the purpose computing. market, observing that while ability to do all kinds of jobs these 23 per cent, had decided large commercial machines still albeit inefficiently in some to move, while 61 per cent, that people we dominated the industry at 88 instances to move the industry at 88 instances the industry at 88 instances to move the industry at 88 instances the in dominated the industry at 66 instances, to carry out a limited would stick.

per cent, by value of all in- number of tasks for which the It would be rash to conclude the pace of development per cent. by value of all installed systems, this position machines are particularly suitwas being steadily eroded. In able.

So, after a period of intensive imminent in the U.S. But Ford
there were more withdrawals turing of information flow, the rather than an IBM 5033 as re-

reading the many predictions of the attack, which is three tate moves in this can be, any

echnologists are heading.

munications, point.

point.

The latest available statistics

Jean Vancher, director of the

Management will continue to vice and overall expending

held down longer. But If show no let up in deliveries of Diebold Research Program— be under pressure to replace, held down longer. But if mini-computers in the notional Europe goes a stage further. In enhance or upgrade and, more price range of say £2,000 to a recent trend analysis he and more, to move towards a £20,000. From a delivery basis underlined the just growth in the price range of say £2,000 to a recent trend analysis he and more, to move towards a £20,000. £20,000. From a delivery basis underlined the just growth in mixed supplier situation in Bureaux of \$25n. by U.S. manufacturers the installation and use of on-which one company provides in 1976, itself 36 per cent up line terminals as opposed to the mainframe and another the One significant development on the preceding year, this batch and asserted that within peripherals—presumably under over the last year has been in the preceding year, this batch and asserted that within peripherals—presumably under over the last year has been in the preceding year. year's figures are expected by two years 50 per cent, of better leasing or rental terms setting-up by a number IMC Europa to advance 40 per medium-sized computers would and offering improved perform-bureaux of a service to use cent to \$2.8bn. and to continue support real-time/teleprocess- ance. Telex, BASF, Harris and which in effect absolves 1

shipped. operations could become less One development which has difference that the bureau The organisation underlines quantifiable since much of a had little effect on Europe so Computed or UCE for instance the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the changes which have taken computer centre's load would far but undoubtedly will have —will look at the use the change which have taken computer the change which have taken to be a change whic

At the same time, the com-A corollary would a company, staff will go where

to 10 per cent. (6.000) in 1981, and the previous generation are giant's infallibility that they sense if it is remembered to Earlier this year Peddler obsolete, merely that their functions had not contemplated a change.

there were more withdrawais turing of information flow, the rather than an IBM 3033 as re-turers would wish.

organisation — may under of the large central machines new machines or some are contain some cost surprises, standably wonder where the will be the evolution of com- "cosmetic jobs" is a most "This can only be good standably wonder where the will be the evolution of com- "cosmetic jobs" is a most "cosmetic jobs" if it much improved a machine in the contains and the contain some cost surprises.

the established central process large central machines. Th sor base of IBM with Amdale/ have a great deal of process Fujisu going for the top power and immediately machines and Itel/Hitachi for vide takers of the service medium to large-scale units, a reperioure of programs th Europe and for Itel it can only have taken them years:

large, it is quite possible that prising at first sight, but me further contenders will appear companies producing sophi—possibly supported, like Itel, cated products in the U.S. h shipments will be for commer- puting has thus changed and by one or other of the large adopted it, preferring to le cial data processing (10,160 out users no longer think only of semi-conductors manufacturers, the herdache of runn of 29.020) moving up to one-half work capacity of the central It is inevitable that IBM machines and ensuring a c

nan new systems. movement is in the opposite placement for its 370/165 be-Peddler sees the smaller direction towards distributed cause Amdale "Offers cost

this headiong progress to a ing operations.

CDC are all active on the IBM latter of practically all effect total of \$70n. by 1981 at which in enect ansolves total of \$70n. by 1981 at which in enect ansolves total of \$70n. by 1981 at which in enect ansolves to a ing operations.

CDC are all active on the IBM latter of practically all effect ansolves to a ing operation in enect and in enect ansolves to a ing operation in enect and in enect and in enect ansolves to a ing operation in enect and in enect

IBM, roughly in the mid-range. This hands-off approach Because the IBM base is so computer use may seem :

Blossoming audio visual market

sought to make communication ease the task of anyone who between man and machine needs to make a quick decisimpler and more foolproof sion, but must at the same time

at speeds of up to 90,000 current pace there will have be an office in any major of the same time.

Against the saving on paper, without a reader of one type.

Accuracy and far greater satisfactorily.

speed of response than was preiously possible are also Reverse characteristics of the voice recognition equipment deve- Operating in exactly the re-loped by EMI with an American verse is equipment now coming over the telephone.

nology arm of the Arbuthnot person called is away. Latham merchanting banking Another development in-

development in electronics dur- are used to drive the system. a laser beam writing micro- almost a decade. ing the past five years or so The voice equipment is a scopic characters on the film. If use of microfilm inform has been by engineers who have further refinement that should at speeds of up to 90,000 tion continues to spread at

while speeding up the exchange have the latest information dis-postage and storage of vast another-many will have th to a degree which a decade ago played while he is negotiating archives must be set the cost would have been impossible. It is "trained" to the user's of readers and reader/printers. An example of this trend is voice by the latter's repeating needed to consult the microprovided by one of the latest a number of key words up to filmed information. However, products from the Sharp calcu- ten times each and it can be more and more reader units are products from the Sharp calcu- ten times each and it can be more and more reader units are products from the Sharp catch that seath and it is an impression of the Sharp catch and the Sharp catch an meet this aim, clearly it was bank's exact position in a given at least one of the major banks ing this need, a U.K. com neet this aim, clearly it was panks exact position as given at reast one of the major balks ing this need, a U.K. companies to use conventional currency by speaking a single is quickly going over to microkeys. There would have been coded word or short sentence film for customer account world to develop a copier and have it up on a screen statements and expects to be keys. There would have been coded word of short sentence min for customer account world to develop a copier at no room to allow for key travel and have it up on a screen statements and expects to be to produce full scale plans from the connecting circuits. So almost instantly rather than the able to provide a far more comfiche at high speed and there are no a 24 hour time. the designers went for induc- several seconds it could take plete service on a 24-hour turn-removed any lingering object the designers went for induction asserts solution in the old days to micro libraries there military the designers went for induction in the old days to micro libraries there military the designers went for induction in the old days to micro libraries there military the designers went for induction in the old days to micro libraries there military the designers went for induction in the old days to micro libraries there military the old days to micro libraries the military the old days to micro libraries the military than the old days to micro libraries the military than the old days to micro libraries the military than the old days to micro libraries the military than the old days to micro libraries the military than the old days to micro libraries the military than the old days to micro libraries the military than the old days to micro libraries the military than the milita

immediately affect the display, very early stages, but work is people, paper and city pre- Again in the larger organi it would not be possible to in progress to extend the equipmises are at last accelerating tions, it is possible that we determine whether or not the ment's abilities so that it will the expansion of this technology processing may very soon instruction had been accepted recognise four "masters." It without some further indica- should also be possible to tion, and this is provided in extend the range of sounds the the form of a tiny electronic extremely clever evaluation circuits are able to recognise

Operating in exactly the re partner (Threshold) and used into use in America which uses by Arbat as the basis of a unit one of the newest memory which could be most useful to devices, known as magnetic currency dealers and brokers bubble memories, to store the when working under pressure electronic equivalents of sounds and needing to call up informs and synthesise from them mes-tion while they are negotiating sages in response, for instance. to telephone calls where a Arbat is the computing tech- number is unobtainable or the

organisation and has made a tended to speed up the disseminame for itself in the U.S. and nation of information, but also in Britain with its currency to cut costs and by-pass several dealing and banking systems links in the information chain which operate immediately-in is computer output on microreal time—and rely very heavily film. Virtually inevitable in any on displays to keep dealers organisation which has a major and accountants in touch with archival problem, the system what is going on, or to provide takes computer output tape and a dialogue between users and turns it directly into microthe programmes available on filmed pages of information

putting an instruction into the instructions on a keyboard.

of banking" many people still have been on the part of machine which does not This development is in its sigh for.

Soaring costs of engineers.

ONE OF the busiest areas of the small, fast computers which either by an electron beam or which has been available !

be an office in any major c

for immediate access. Recogn

CONTINUED ON NEXT PAGE



Minimise capital tied up in stock, save storage and handling costs, Minimise capital tied up in stock, save storage and handling costs, increase profits by increasing customers and customer satisfaction. This is what a good stock control system will do for you. And the McBee Card Graphic system is very good indeed. Here are some of the advantages it offers. It's tough and robustly constructed with metal primary dividers and the storage storage storage storage.

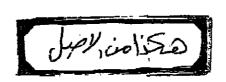
wipe-clean styrene secondary dividers. There's keyboard indexing. visible vertical margins and interchangeable rod spacing.

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The Olivetti TCS00, which is used for depot invoicing and stock control at Drakes Sweets Marketing, Cambridge.

Choosing a computer

units (television written into screens) may be a good deal less program. important in the long run than More fundamentally, the

have the capacity to cope with mate a thoroughly inefficient the demands which will be made method of working. upon it. Several companies have they have bought equipment which turned out to be too slow for their actual needs. As a retem, to sort out the mess.

ment in the capacity of peri- not they are buying computers. cises reasonable caution.

The real difficulty is in deve. management of the business. turers dictate to some extent the torical links with particular a strong room. However, this is capabilities of the machines.

The company which is intending to buy a computer for the straight to one of the hig comfirst time, would, however, do panies like International Busibetter to start from the opposite ness Machines or International computers. But clearly there

plished successfully without a round. puter system follows procedures price between systems which files could involve some quite

like printers, magnetic tape or routines, may throw up cumuladisc memory stores and visual tive difficulties if they are machine goes down.

the intangible system which dic- object of buying a computer tates how they will all operate. must be to improve efficiency. It is true that the hardware. This object will be negated if

take a fundamental, even a computer system may mean the philosophical; look at his organi- difference between success and sult, a backlog of orders or stock sation, how it works, how it disaster. One of the problems control data has built up. In should work, and what its devesome cases log jams in the hard-lopment is likely to be. Even ware have cost companies a lot when buying a relatively small, advantages, often carry the ware have cost companies a lot when buying a relatively small. greatest risks and are the most of money, because they have packaged system, this kind tof greatest risks and are the most of money, because they have found it was no longer possible review will not come amiss, into revert to the old manual sys- deed, most companies should bemaking a regular review of their However, the steady improve. operating procedures whether or

to neip, but some of the

loping a system which will accu- After analysing the system, rately match the needs of the the next stage is to work out bring the operation of a comorganisation. To some extent the requirements for the comsystems are linked with the puter. For this job consultants selection of hardware, because may be brought in; but buyers the programs (or software), should be aware that some conoffered by different manufac- sultants have informal or his- of important files can be kept in manufacturers.

end of the problem by consider is a danger that the big company without interrering with the system that already will try to mould the small time allotted for the normal routines. exists in the office.

The introduction of commachines and programmes avail.

The other point is that once puters can rarely be accomable rather than the other way a system is operating, change

serviceman can arrive to replace a circuit board when the

Support with the software or programming may be much more crucial, especially in a complicated system where problems can appear some time as the electronics is called, must the computer is used to auto- after it has been set up and appears to be working per feetly. Early attention to this The first-time buyer, and in- sort of detail and appreciation come badly unstuck because deed any other buyer, needs to of the dangers inherent in any which needs to be understood is that systems with the greatest

equipment, combined One common error is to opt to scrap all its paper with the falling cost and greater believe that the analysis of the records of ledgers, financial inflexibility of central processors, existing system can be handed formation, stock and even corare making errors of this kind over lock, stock and barrel to respondence by puting it into less likely for a buyer who exer- an outside consultant or systems electronic language to be stored analyst. An analyst may be on tape or magnetic discs. The iuge canacity issues and choices involved are flexible access to data may likely to be fundamental to the bring great advantages. How ever, destruction of an important disc could in some cases pany to a halt. Almost all systems, therefore, must incorporate duplicate or "security" storage, so that master copies be appreciated and planned from the start. For example, the machinery must have the capacity and speed to

to a rival system could be diffi radical review of operating One of the emerging features cult and expensive. Since the methods. One of the reasons for at the lower end of the market two systems may not be comthis is that even where a com- is the substantial difference in patible, even copying of the

IT IS important, when buying a which were previously accom- appear to be basically similar, complicated programming. This rendered unreadable by

partly because much of what is written about computers is

computer system for the first plished manually, it will do so In assessing the value, however, merely underlines the need to maniacal use of jargon. One time, to realise that probably in a highly formalised way.

users need to consider very get the choice of manufacturer exception is "The First Computer system for the first plished manually, it will do so In assessing the value, however, merely underlines the need to maniacal use of jargon. One time, to realise that probably in a highly formalised way. more than half of what is being purchased is invisible.

Any imperfections in the purchased is invisible.

Moreover the boxes of electronics and ancillary equipment like printers magnetic frontines must be modated by more flexible.

Any imperfections in the sales support which will be sales support which will be modated by more flexible toutines must be modated by more flexible toutines must be modated by more flexible.

Any imperfections in the sales support which will be mind the possibilities for future expansion and other variables. Street, London win support to the control of the For those embarking on the main types of equipment now road to computerisation, there on the market as well as a step is a dearth of literature to help. by step approach to purchasing.

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Market

inked directly to facsimile used with linked manuals. There which could do wonders to give ransmission following an im- is a need for similar training a fuller life and a greater portant, but not sufficiently packages for the office, particu- degree of independence to the vell-known development by larly in view of the prolifera- less fortunate. Intelligence is duirhead, based on work for tion of terminals of all kinds in not the prerogative of the hale he military, which enables the wake of the current com- and hearty and it is essential lovel equipment to capture and munications explosion. eproduce A4 size copies in And it is worthwhile record make every use of available ractions of a second. This ing that the handicapped will brain-power, evelopment has left Muirhead's not be excluded from this pro- Apart from training new

ijor problems?

puter education work has equipment.

evals even in the U.S., far gress, thanks to ideas which staff, there is the perennial shind it. The key to the ex-originated at National Physical problem of putting the message ension of such a service is, Laboratory. There, micro-across to existing cadres, conf course, what transmission computer based video/audio cerning new sales plans, new With such a wealth of equip- by a team under Dick Penn who so on. In a fast-moving and ent likely to be a commonplace believes it can be tailored to highly competitive business

tural to pose the question of mouthplece can be used to give not effectively met by sketchy uning. Who will prepare the coded instructions to the com- flip-chart or overhead projector illed staff able to handle puter-controller to select charac- presentations. Many large compensive equipment without ters and form commands just as panies go to the considerable an ordinary keyboard would do. expense of making "The World computer For the blind or partially of X' colour films, frequently ilders have approached the sighted, a talking arithmetic with unhappy results. estion by designing key program is available and it is For any company which proirds that are totally appro- possible to use the power of the poses to make audio-visual

ss and virtually do not allow Ceefex, Oracle and eventually products a fact of life, it is rators to make mistakes. Viewdata facilities will be avail- worth taking advice from my do not like the implica- able and while the work has experts beforehand and examinis behind this method in that been in progress for only 18 ing work they have carried out rould destroy initiative com- months it could lead to the for others. There is such a ely and with it any real production of a series of inter- vast range of projectors, media, rest in the job.

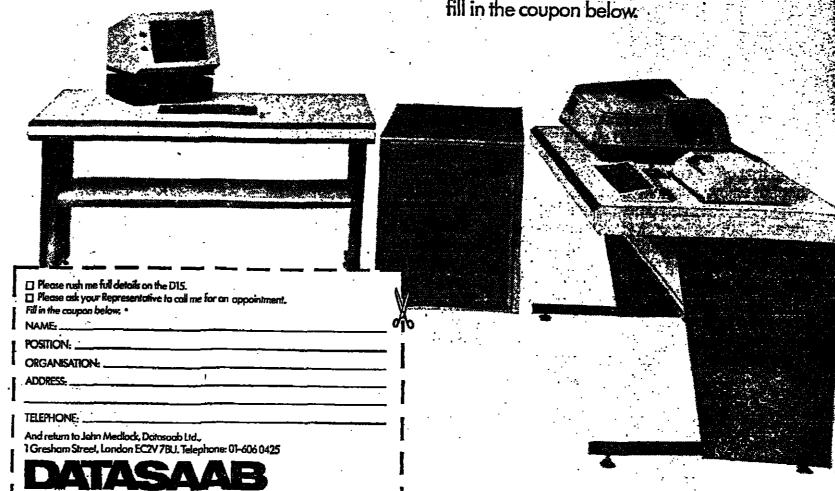
faces permitting the bandi- training methods and possible great deal of successful capped to use most advanced permutations that novices are

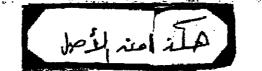
n done by associates of the MAVIS - for microprocessor- right answers. Brandon group using video based audio-visual system-is audio taped instruction the name given to the project

particularly for Britain, to

equipment has been developed products, company progress and many City offices over the meet practically any handicap. effective internal communicaxt decade or so it is only For paraplegies, a puff-suck tion in such areas is vital and

ate to a limited range of equipment to compose music. presentations of its aims and unlikely to come up with the







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Development in furniture INDUSTRIES provide panies like Herman Milier and such a barometer of business Carson, is basically a comprooptimism as the office furniture mise between traditional walled

manufacturers. And since busi- offices and open plan. It conness optimism is essential for sists of movable walls - because revival, the quickening level of most people like to work within demand for new office equip- walls — which can be grouped ment in the past nine months to form a honeycomb effect. A must be seen as encouraging for development is to attach working areas to the walls, with an Two years ago office furniture obvious saving in space.

manufacturers were in a poor An alternative system, more way. This had a certain lateral associated with Germany, is to advantage in that it forced them group desks together according to look abroad for sales and, in to the work patterns in the particular, to the Middle East. office. This gets away from walls The oil rich Arab world has pre- and is more like open plan. ferred British office furniture Obviously the introduction of to its German, Swedish and either of these systems requires American competition and has, the advice of a consultant in fact, underpinned the in-they are a "bespoke" rather dustry for the past couple of than an "off-the-peg" solution years. Now domestic demand to office problems — but Carson, which is active in this area, Not all domestic demand how- reckons that a third of the ever: the small businessman market now comes from systems furnishing his own, and perhaps furniture rather than the cona secretary's office, does not feel ventional desk and chair prosperous enough at the replacements. More systems are moment to acquire new desks, on the way: Ryman will be chairs, cabinets, etc. The growth introducing a new concept in a stems from the bigger com- few weeks time which is the panies and from local author result of combing the world for

into new office accommodation, perhaps out of London. So the Swing

rities which are often moving a fresh approach.

interest shown by consumers in tively cheap. So there has been through more comfortable fur to reflect the actual work interest shown by consumers in tively cheap. So there has been through more commonant tur- to reflect the actual work more progressive companies. suppliers can offer the best of new types of office furniture — a move towards more expensive nishings, is reflected in the patterns in offices are obviously

An office chair can cost any continental North. American

than £1,000-£2,000 which was has assisted the swing to systems as in local and national Governmentals and rates, and sophistic aches (17.4m. days in 1975) furniture suppliers will inmore common three to four is the willingness of customers ment offices, and his recommen-cated desks are likely to feature caused often by hadly designed creasingly act as advisers on to go for quality in office furni- dation on how the staff can be at the International Business chairs, would pay for the most the mixture of extremes which Just as encouraging as the ture. In comparison with office encouraged to work product Show this month. appearance of more, and more rents and rates, and the cost of tively by, not only the more. Desks with all the trimmings times over, and the advice of clients needs. Although the substantial inquiries is the labour, furniture is now relationary and furniture built into systems ergonomic consultants about U.K. has not pioneered new

accessories built in. Instead of is a feeling of movement, a desk lumbered with telephones, calculators, clocks, etc., Ideas these items can be part of the furniture. The legs of desks can be used to carry the wiring. and all the electrical inputs gathered together in a box attached to the bottom of the desk. Increasingly, desks will carry their own lighting and even air-conditioning.

cheaper, new office blocks. Offices which come complete with ceiling lighting; floor wiring, and air-conditioning than the simpler, speculative premises. So sophisticated desks subject of much research. The munications: open plan is noisy

it all is a concern with using metal instead of plastics. Offices luxurious items by employers.

very expensive space more effectively. One approach places to work.

in the U.S. and linked to commore expensive and it can, in ture industry is dividing into but imports are timined in this. At the moment screens are fact, save money. It not only two, with on the one hand contained and suppliers, Tan. Screens are not only useful for sultants selling and offering facturers and suppliers, Tan. Screens are not only useful for sultants expect their furnitive to survive better these days customer's office; and on the Vickers, Carson and Ryman, paperwork, but shelves can be appropriate these days of the survive better these days. but it can have more im other the conventional retail are as well aware of ergonomics attached, and storage units

Although most offices are a costs an extra £10 a chair and materials. materials, and equipment, new impressed to offer their own is certain to become more decided are making inroads models. Another German inno-pendent on exports, and office mobility, which brings in and often impractical. They are be an important safety factor, mer the range of systems and ill-litted to store computer are also now available in this models is likely to expand so to move into more basic and the country. other products of the cechnological revolution, and the modern is likely to be a compromise. offices, seems destined to reupright cabinets.

Chairs too, have been the ing and interfere

modern office equipment many is most useful for a particular

occupant remains seated. This stock

hotch-potch of designs, British suppliers are sufficiently are now seen as space consuming the base, which is supposed to the big orders. For the custo

idea is to go for a shelving Small, individual offices, the main the norm. storage system rather than cellular approach, will become rare as they are space consum-

that the machine itself

This idea originated in the

United States and is now being

developed by Four Square

CONTINUED ON

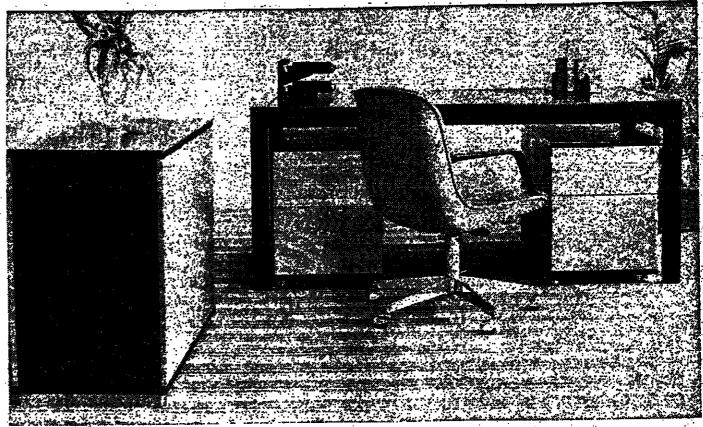
NEXT PAGE

the £5,000-£10,000 range rather One other development which familiar company figure as well can be an answer to costly office man-hours lost through back-and not popular with staff. Office

mediate advantages, especially or wholesale trade, which is as the overseas competition added, so that the screen between the new generation of desks currently the sluggish end of Comfort is still more important comes the work station rather than design or givenicks such the new generation of desks currently the sluggish end of than design, or gimmicks, such than the desk. Four drawer which tend to have their the business. But overall there as the so-called "gas lift," a filing cabinets are being re-German invention, which at the placed by versatile storage press of a button adjusts the units, either open or with doors height of the chair while the blinds and shutters, which can

> The office furniture industry that the traditional mixture of The future in office furniture styles, such a feature of British

Autony Thorncroft



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Vending sales

matic devices such as food and proach the 1973 peak. drink dispensers which can paid secretaries to waste their tea clubs has progressed, office

machines of this type has been clearly advantageous he quality of the product, but efforts on the part of manufacturers and the equally important operators of this equipment and cold, and a variety of food can be provided in this way.

Figures from the Automatic Vending Association of Britain have shown that despite the lack of demand created by depressed commercial and industrial activity, both sales of vending reason to suggest that the machines and food and drinks quality of hot drinks should from them, are rising at a steady

of the larger variety, mainly Vending Association of Britain for industrial premises, have has shown that if machines are remained steady at around 7,000 machines a year, but the smal- tained, there is little difference. ler dispenser type machines usually used in offices are selling in rising numbers at the rate of around 5,000 a year at present. This is widely accepted as a growing market and manufacturers believe that offices are nowhere near saturation point.

things are definitely looking up. The number of drinks bought through machines in 1975 was peak year of 1973. This was supply agreements. attributed largely to stockpiling

at a time of rising prices. drinks were sold and de- The newest of these is the so-

AS THE COST of providing mand this year will certainly called "in cup system," the amenities and services in offices be in excess of that. In the concept of pre-measuring drink continues to rise sharply, there first six months the figure has ingredients into each cup before is increasing interest in auto- reached 1.6bn. and will ap- the product leaves the factory, merely adds the water, hot or

It is clear that as the quality eliminate the need for highly of machines and the demise of cold. time on activities such as tea demand for this type of equipment has increased substan-The main problem with tially. In cost terms it is also services of this kind.

Secretarial salaries have risen to the point where it is not sensible to waste their time in have gone a long way to show that acceptable drinks, both hot warrely the highly trained secversely the highly trained secretary is often unwilling to cooperate in doing so.

Survey

At the same time there is no suffer as a result of introducing machines. A recent survey Sales of hot drink machines carried out by the Automatic

Offices have also become an increasingly attractive market for food dispensing machines and about 1,800 were sold during 1976. The key to this duction of more enticing display systems which eliminate the In terms of drinks served (a inherent doubt about the ing machine market as a whole) To the sold in this way.

increase in demand for food has not caused any great diffithrough machines in 1975 was culties because existing con-2.9bn., of which 2.7bn. were hot tracts for the servicing of drink and 171m. cold, is well up on machines can usually be exthe figure of 2.5bn. five years tended to these machines as ago, but also well down on the well. Major food groups have unusually high 3.29bn. in the also been active in reaching

Although the nature of the However, in a more stable industry is inherently stable. conomic atmosphere last year some new developments do have is estimated that around an impact from time to time.

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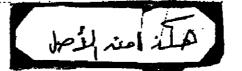
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SURROUNDING objects, region ness of New York City is con- own slice of the environment, manager stayed on, based in the garden (and the Bank) has tennis there and it also arran- new arrivals may be less con- thou. Special carpeting, in the garden concise carped to your control of the environment, manager stayed on, based in the garden (and the Bank) has tennis there and it also arran- new arrivals may be less con- thou. Special carpeting, in the garden control of the environment, manager stayed on, based in the garden (and the Bank) has tennis there and it also arran- new arrivals may be less con- thou. Special carpeting, in the operations in Europe, Africa and the Middle East.

The problem into the lap of a bern form of the strictly practical considerations:

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a noise, draughts and so on. Problem ne, observer of the office I I UNICIAL
ne, has said that environWalbrook was the main pro-

wallion was the staff of about 450 tented and growing body of a blessing.

recommendation of environment. Relate to have staff in both quality and for staff and customers alike. Cannon Street, to supervise this received the Miller Trophy ges football, social functions, fused when finding their way form of tiles, is reserved for the Worshipful Company dances and discos.

The computer room and for the computer room and the comput ig that to a busy office, it takes quantity, growth, and a spring-

Momers as well as em-branch was at Walbrook in the have, in many instances Gity, and the International Gity, and The International Financial Centre (foreign There are areas of House, also in the City; there are absolute and the conditioning, good were also offshoots at Mayfair and the absence of and in Bruton Street.

where a lot of employers of some trying to find the at do "the least that they can edge of a desk to sit at" was a sway with." But that word one comment recently—and st" is a matter of inter one comment recently - and past is a matter of interwhile attempts had been made vision of a substantial increase aspect the Bank of America
analysis. Applied to any while attempts had been made in the net floor space and for confines itself to saying that it
analysis which watches its to alleviate the problem by the installation of a sophisti- "has security" at Cannon
the confine people around it seems sts properly, it could be the moving people around, it seems tment required to get the clear now that the imminent out of a given quality and expiry of Bank of America's atity of staff-and service a Walbrook lease was viewed as

By 1975, the management had With its base in California, been thinking about a move, on Bank of America rejoices and off, for something like 10 its standing as the biggest years. That September the decimmercial bank in the world sion was taken to move into his lack of embarrassment, what had been Gateway House, mpared with some of its in Cannon Street in the City of stern seaboard contem-London. And Bank of America paries, as far as the indebted- got its chance to improve on its

ther alterations and fitting out crew that this requires. that the Bank would require. Where space is concerned,

were fully carpeted.

health, his sanity or both.
Others would rely on manage larly security measures to proment consultants, or even more larly security measures to prospecialised office planning and/
or design consultants to pull to must have bound large while the maintiful to get a superfront the get and probably the siderables. The bank siderables, the combination of the siderables, and got together with a reduces the clutter quite consultants and artificial lighting legs, and got together with a reduces the clutter quite consultants of the siderably.

Safety standards, and particularly security measures to promet consultants, or even more large white a superfront the get away from the ever but so is the plant that double glazing to cut out the consultant to superfront the get away from the ever but so is the plant that double glazing to cut out the or design consultants to pull to- must have loomed large while the majority to get away from the eye; but so is the plant that double glazing to cut out the between glass-fronted offices, gether the skills of experts in, the job was being done. In their "work stations" for a decorates every office, and the external problem. Internally, taries and complete open plant internalis, furniture, wiring and 1975, at least £2m was the take break during the day. Meals plants were not put there to cut the noisiest areas—as one the overall impression is one of colour schemes.

Fund in 1972 and the cost had bank robberies, if not the larrisen from £27.7m, to over gest in history." £32m. due to subsequent work;

this had included major reno-Facilities vation and structural altera-

tions which allowed for the pro- Like other banks, on thi in the net floor space and for confines itself to saying that it cated air conditioning system. Street. The building was double-glazed veal is that car parking facilithroughout, and the office areas ties went to make room for the vaults, but this is one environ-A long list of the Bank's ad- mental disadvantage that most visers at the time the new lease City workers have to put up signed included Sir with. Still on the safety angle structural engineers, Higgs and building to take care of cuts, Hill as contractors to the build- bruises and worse-not just a ing, design consultants Michael matter of the odd finger stuck Inchbald and Fitroy Robinson in a typewriter, since the bank and Partners-the latter in has responsibility for the mainstructed by the Bank of tenance of the building, plant America to supervise the fur- in the sub-basement and the

On top of that it had its own those who remember reckon in-house team; here again, the that the ex-Walbrook staff have Bank America group had a special advantage in its own Continental Service Company,
based like the parent in California and set up with just this
sort of responsibility in mind.

A project manager was flown before the Bank passed it over

a raised garden which drew the
odd wry comment at the official
opening last year, the day
before the Bank passed it over over from CDC in October, to the City Corporation. But 1975; the move was completed last year, it was a matter of in July, 1976. The project keeping plants alive; this year,

major step forward

Although the major saving

costs, any attempt to undertake

only satisfactory for places

where normal canteens are diffi-

Another innovation is the pro

fore that although vending

machines can and do offer an

excellent service in a limited

area, it will probably be some

time before thay can hope to

compete with a well-run can-

Lorne Barling

Vending

CONTINUED FROM PREVIOUS PAGE

Catering and Vending, a division dispensers remain at an early of Mars, and by General Foods, stage, although the development Considerable technology is of the micro-wave oven has been

the area of the cup filling process and the development of associated with vending machadvanced new designs in vend- ines is the reduction in staff ing machines. The system has large scale automation of catergained quickly in popularity due ing services is not to be taken to greater bygiene and simpler lightly. Although bigger systems operating and maintenance pro- such as self service canteens are cedures than with more tradi- available, these are normally tional vending machines.

Since the advent in the United cult to operate or for night Kingdom of the in-cup system in workers, for example. the early 1970s, a quarter of all new machines sold now incorporate the system and by vision of hot meals heated in 1980 this figure is forecast to cans and dispensed with 1980 this figure is forecast to easily removable lids, but again rise to 50 per cent. Now that easily removable lids, but again the fore. this has obvious disadvantages most position in technological for most offices. It is clear there expertise for the new system, export potential is also substanand Klix, the system marketed by Four Square, is penetrating new markets in the Far East and Europe.

The advantage of the system. is that machines have fewer moving parts and have a high of versatility. example, by means of a switch either hot or cold drinks can be served in a wide range.

Loading the machine is nerely a question of putting up stacks into their labelled slots in the carousel located inside the machine, but perhaps more important it allows the client to operate the system

'Another development in the vending of beverages, which accounts for around 66 per cent. of the market and is still the most profitable part of the business, is the provision of 50 called "fresh brew products" or to be more precise traditionally made coffee or tea.

These have become increasingly popular in the U.S. and are now having greater impact in Britain, although the widespread use of instant coffee in British homes has made it something of a traditional beverage. The real advance is in the making of tea, due to the fact that soluble essence has not yet approximated the real thing.

To make real tea, the machine has to extract the flavour from the leaves in a limited period of time, perhaps about 15 seconds, so a specially fine tea is required and accurate temperature control on the water. The advances made in electronically controlled systems have been timely in producing the precision required.

In many offices the use of automatic dispensing machines is clearly designed to supplement other catering services such as canteens which may be available, since attempts to provide any satisfactory hot meal

from a robbery at the Bank's are subsidised and the restaur- out glare. One practical wrinkle, might expect—are the dealing light, space and relative com-

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William Cochrane

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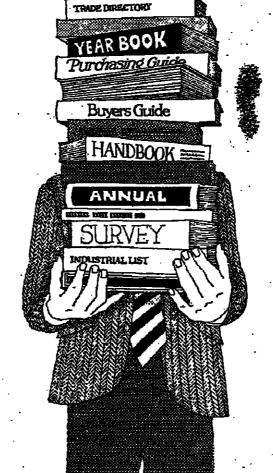
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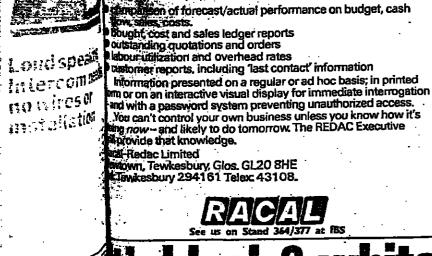
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are remarkable in one particu- arrangement of work stations machines to be placed at the ing system lar. Either the machines, which (or if spare capacity is provided, appropriate height, and there is undoubtedly play an important as is usual in the United States), a 30mm leg adjustment making part in the life of that office, at least there is no need for all the furniture extremely put its Office System on to the have been removed before the cables to snake across the floor flexible in use—for the people shot was taken, or they are care- in great loops or to be stretched who must work with it as well as fully arranged so that their taut for even greater distances, the machines. And the designers power and telephone cables are An alternative is to have the have lost any intransigent cables. It is a splendid range of free hidden by the surrounding fur power and lighting supply set and telephone wires in the most standing niture, or the cable has been un- in the ceiling with free drop- ingenious fashion, threading screens plugged and tucked away out of ping cables. The latter arrange- them away to terminal boxes which c sight under the machine itself, ment can have a surrealistic and sockets within the frame type of office—and, although it the same office would present a appeal in certain offices, par- work of the furniture and thence different picture during its nor- brightly released and the area on via a single cable to floor assumed the importance they mal working day, before it had brightly coloured and the area plugs which will—if the office served not too large. It certainly keeps the cable runs well across desks, half of them colliterated by papers and files. They would entwine with each other beneath the typists' feet, stretch lethally from table to stretch lethally from table to far distant plug and generally Provision present a scene of much muddle and no little danger. In some and no little danger. In some Assuming that ample and noats the instrument above upon less percipient corners of the office there would flexible provision has been made the work surface, thus clearing pinged upon less percipient corners of the office there would for either floor ceiling or wall more space for work with the manufacturers, who I predict be people crouched over machines which were set too low, while in others there would be people craning to reach the back of machines which were rushed on to the market too high

small machines, most of them hedging their bets and announcelectrically operated, have pro- ing themselves as suitable for liferated to an enormous extent both celluar and open plan in recent years, little real pro- arrangements, very few even of by designers and manufacturers. the arrival of the machine. And is launchine a new reasonable prices, Large machines are in a class of those which did were invariably 1100, and will have prototypes their own. They are normally foreign. I think that this deficifree-standing, often very well ency has recently been recog-designed and usually accom- nised, but too late. Virtually no cealing features pigned to modated in special computer new ranges are being launched rooms, post rooms, print rooms in the current economic climate, advantages over its German or the like. The trouble begins and office planners have to comcompetitor. For instance, the
when you get to the machines promise with furniture which,
range is to be in wood, which used in most offices: typewriters, though it may be of excellent adding machines, dictating quality and handsome appear-

planners, admittedly, are doing great success.

were rushed on to the market has truly registered the advent alert competitors.

during the years of the office of the office machine age.

Jos The fact is that, although building boom, most of them

Architects and office space where it has apparently been a down access flap, this will allow presently available.

in the floor with flush fitting out- ing) come in several widths and as lavish in outlets as

PHOTOGRAPHS OF offices sufficient numbers to service any work surface thicknesses to en- distance in the most discreti which have won design awards conceivable arrangement or re-able typewriters and other and tidy manner, via the screen-

Happily one British firm has

now had the wit to emulate it.

if a little late. Carson, whose

office furniture has always had

a reputation for good design

is launching a new range, the

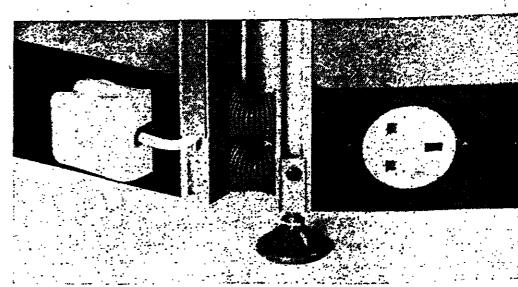
cealing features pioneered by

Voko, but will have several

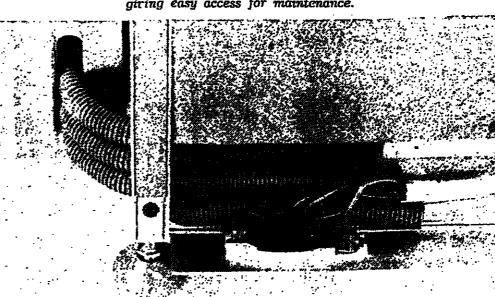
market nearly ten years ago. long before either of the other two products was thought of. virtually which could be required in any trays. An added refinement to ing from that period this well thought-out system is a pivoted telephone stand which

The need which Hille recog-Assuming that ample and "floats" the instrument above nised so early has at last im-

Jose Manser



The Carson Link 900 integral screen trunking. The top photograph shows how cables or wires run inside the channel, while, below, the snap-on cover is removed. giring easy access for maintenance



Leasing takes hold

range is to be in wood, which many office planners and users PROBABLY BETWEEN a fifth their own leasing subsidiaries typewriter's first-year deprecia- he will generally have to pay a complete oil refineries, prefer to steel, and in addi- and a quarter of all the office funded by their own profits tion is clearly not going to rental or more in advance, de-possibly with increasingly machines, intercom systems, ance, really makes little provimachines, intercom systems, ance, really machines, and provimachines, intercom systems, and intercompanies, and provimachines, intercompanies, and cally operated, many of them. A notable exception is the of its existing ranges the Link leased item is the copier, of lished leasing companies who are for investment purposes following the lead set by such system of furniture called MEB 900. Voko does not sell ordinary which 80 per cent are lease the know-how and the treated equally with industry which is manufactured by Voko courses and wisual screens. firms as Olivetti and IBM, ex-which is manufactured by Voko oustic and visual screens. financed, but the facility extensive computer record and business, allowances are tremely handsome in appear in Gormany but imported to this Carson does, and now these extensive computer record and business, allowances are transfer of the equipment to a third part extensive computer. It is a steel system of which will of course be available top. And there they sturdy construction which was able with the new 1100 range addressing machines to in-house items such as office equipment. The advantages of free description of the equipment remains the sophisticated office equipment. The advantages of free description of the equipment remains the sophisticated office equipment. on a table top. And there they sturdy construction which was able with the new rivo, range addressing machines to in-house mems such as once equipment and that spaghetti-like recently used in very large—have been most meticulously printing equipment and minimized involves high overhead costs. tangle of cables long-term guests quantities by architects Robert redesigned to incorporate a computers. Leasing is conjugated at the who are very welcome but for Matthew Johnson-Marshall in double channel mounted at the whom there is as yet no real civic offices they have designed bottom of each screen. Easily the most important aids to sales the most important aids to sales

both electrical power and tele- Equipment their best in the organisation of Voko has overlooked nothing. phone cables to be run along pursue two chief methods of allowances made by the Govern- overheads involved in administrated offices to The typing tables, work tables one or a succession of screens, securing lines of lease finance: ment to encourage investment tering so many thousands of Nullified ameliorate this messy situation, and various wedge-shaped com- taking power away from the They either contract with in new equipment. This means small-ticket items, means that In deep plan buildings (those ponents (which can be linked to work station to a floor plug, established leasing companies that the equipment earns leasing can be expensive. One If the leasing company sells most commonly used for open form a variety of curving as This gives immediate flexibility to provide the facility—com- deferral of tax for the period of the biggest benefits, how- the equipment it must go to a power and light well as rectangular configuration to those planning an office, even panies such as Bowmakers, of one year, based on first-year ever, is that leasing is virtually third, unconnected party, or the ing grid is normally arranged tions to facilitate group work- when the underfloor grid is not Anglo Leasing, Hamilton Leas- depreciation. This can be 100 per cent financing, since first-year allowances would be Schroder Leasing, IBOS equated to "borrowing lets, and if these are in depths. There are different be, for cables can be taken some and the like-or they set up free of charge for a year-a customer (or lessee) although out of pocket.

Office equipment is eligible used: manufacturers for first-year

investment voluminous paperwork and high amounts.

signing a lease contract are second-hand value (the less these: The equipment always risk is increased if he is The advantages of free de the equipment remains the sophisticated office equipment preciation can be worked into property of the leasing company, such as desk-top computers a lease and passed on to the The lessee may take out a sophisticated electronic acco customer and Special Develop- second lease if he wishes, when ing machines, has been a ment Area grants can also be the rentals are reduced to a news to the leasing comparused: nevertheless the fraction of the first-term The more expensive the eq

out of a contract once ense, since the less will be upset. It is which can m obsolescent

there will probably lem in getting a routine way. the rentals To some month. many cases a significant affected by its leased ment, and the normal credit to the bank sense a useful line offen even the best-run co

Newcomer

To the newcomer in the business, the way may be so easy. Leasing compar like to see a track record of least two years before riskin contract signature. They ; want to be sure that a comp is not "over-leased,"—that that its leasing commitme are not bleeding it dry. On the dangers of leasing is i while the front-end conments are almost non-exist an accumulation of leases he a very expensive busin There is sometimes a tende to regard leasing as a finan avenue of last resort: lessor's pre-occupation is make sure that he is not t as such, since he abhors ris much as any banker.

The principles of office eq ment leasing apply to any of leased equipment, right n

ment, the better deal they offer since their overheads easier to absorb. And they

Robert Hawk



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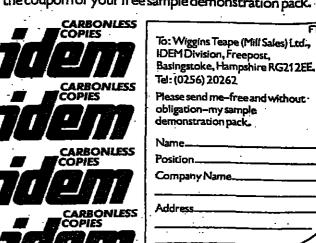
The resulting copies-for sales, invoicing, accounting, delivery, stock control, correspondence-are clean, clear and reliable.

At the same time, the production of those copies is quicker easier and more convenient.

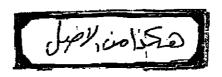
And therefore more cost efficient.

But there's more to Idem carbonless than is evident fro the telling in brief.

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Idem is made by Wiggins Teape, Papermakers to the World. All the advantages of carbon, without the disadvantag



BA's and the lure of the ivory towers

BY MICHAEL DIXON, Education Correspondent

LITTLE IS known about the time these institutions were effects of the U.K's £7bn.-a-year still expanding in the aftermath education system on other of the Robbins Report in the esections of the country's society, early part of that decade. The What is known, however, is that result in 1975 was a 50.5 per

role is played by the universi- occurred. and polytechnics — the is tudent capacity of universities anything seems to have grown more severe over the past two years, was very bad news for higher-degree students.

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- **Jan**

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ALTERNATION OF

Here there comes into play tions have currency outside education—though far more in

The number of student places than in others — the aim of which universities and poly-the majority who pursue sechnics provide in different them is to join the staff of midlect areas is a major determent them is to join the staff of Minant of the shape in which polytechnity or, failing that, a The system expands. The larger formal education, and subject greater its intake of school to the values of the academic greater its intake of school pecking order, for some 16 havers, and the number of its years by the time they gain noteasing output of bachelor their bachelor's degree, the ("In evel graduates who go back to youngsters who are offered the he schools as teachers. The chance to continue academic number of opportunities else-severe, vary with institutions, ing and technology are reported vailing for bachelor's graduates very hard before accepting the master too becomes the number of opportunities else-severe, vary with institutions, ing and technology are reported vailing for bachelor's graduates very hard before accepting the master too becomes the number of continuing up the subjects. All other to be distinctly better off than two, three or more years of chance of continuing up the Emaster's and doctor's levels, or might not be worth in non-sharply smaller percentage of degree from Cambridge or world views as of lesser to be suffering more than the c'ly doing so, there is a distinct if the same academic discipline. educational work. The effect at higher-degree Many must have bitterly all main areas except some better placed than the equiva-

the system is a powerful device cent. increase in higher-degree production, to 14,832. But by In this process, a decisive that year a major change had

The expansion of the univerhigher education sector. Since sities, affected by the economic the secondary schools below recession, had stopped at least mainly measure their success in terms of intake of new lecthe number of pupils they turers. And the curbing of the and on to degree courses, the recruitment of dons, which if

-function of the education the cases of science, engineersystem. It is that of selecting ing, and some minority social

the earliest for which I have their

WHAT HAPPENED TO DOCTOR'S AND MASTER'S DEGREE GRADUATES-1969-1975 Entered Employment in United Kingdom in

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			. Still seeking	_						
Number	Overseas students	Whereabouts unknown	permanent Job at Dec. 31	Already in employment	, Schools	Polytechnics and colleges	Universities	Public services	Industry and commerce	Others Including publishing
4,828	27	14	. 3	21	2.4	5.3	4.7	11.2	8.8	1.5
2,13]	32	13	Ž	20	1.5	4.2	8.6	6,2	8.6	1,1
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7 177	70	1/	٠ ـ			40	4.0	20	••	3.4
1.474	72	10 17	2	12						3.4 2.9
		13			- 14		1 (.0			
		_		•			_			
	28		3		2.9	2.2				1.0
	20	8	1	, II .	1.5	3.0	9.B	4.6	15.0	1.4
Technology ·										
2,969	45	13	2	12	8.4	1.4	3.4	4.2	20.0	3.0
2,186	32	7	1.	. 17	0.3	2.0	4.4	2.8	24.6	0.7
14,832	31	13	3	15	2.7	3.3	4.9	7.3	11.1	1.5
		•						_		
	28	12	3	. 11	- 2.3	2.7	9.4	6.3	12.7	1.3
nts 4,951	100	14	2	1	0.3	0.4	8,1	1.1	2.3	0.4
9,858	27	9	2	15	2.0	3.2	8.6	4.2	13.8	1.4
ites		_	. .		••			3.0		
	27	8	•	"	U.Y	£1	129	3.7	14.6	1.1
s nts 2,691	100'	-	2		0.2	1.0	• •		4.5	0.5
	4,828 2,131 2,133 1,424 4,902 4,117 Technology 2,969 2,186 14,832 tes 5,415 5 sats 4,951 9,858 tes	Number students 4,828 27 2,131 32 2,133 30 1,424 28 4,902 28 4,117 20 Technology 2,969 45 2,186 32 14,832 31 tes 5,415 28 s 31 tes 4,951 100 9,858 27 tes 4,445 27	Number students unknown 4,828 27 14 2,131 32 13 2,133 30 16 1,424 28 13 4,902 28 11 4,117 20 8 Technology 2,969 45 13 2,186 32 7 14,832 31 13 tes 5,415 28 12 s 12 12 s 12 14 9,858 27 9 stes 4,445 27 8	Number Overseas students Whereabouts unknown Job at Dec. 31 4,828 27 14 3 2,131 32 13 2 2,133 30 16 5 1,424 28 13 3 4,902 28 11 3 4,117 20 8 1 Technology 2,969 45 13 2 2,186 32 7 1 14,832 31 13 3 stes 5,415 28 12 3 nts 4,951 100 14 2 9,858 27 9 2 tess 4,445 27 8 1	Number Overseas students Whereabouts unknown permanent Job at	Number Overseas students Whereabouts unknown permanent Job at Dec. 31 Already in employment Schools 4,828 27 14 3 21 24 2,131 32 13 2 20 1.5 2,133 30 16 5 172 6.2 1,424 28 13 3 12 7.0 4,902 28 11 3 11 2.9 4,117 20 8 1 11 1.5 Technology 2,969 45 13 2 12 8.4 2,186 32 7 1 17 0.3 14,832 31 13 3 15 2.7 tes 5,415 28 12 3 11 2.3 abs 4,951 100 14 2 1 0.3 7,858 27 9 2 15 2.0 1 4,445	Number Overseas students Whereabouts unknown permanent job at job at in poec 31 Already in employment Polytechnics and colleges 4,828 27 14 3 21 2.4 5.3 2,131 32 13 2 20 1.5 4.2 2,133 30 14 5 12 6.2 4.0 1,424 28 13 3 12 7.0 4.1 4,902 28 11 3 11 2.9 2.2 4,117 20 8 1 11 1.5 3.0 Technology 2.969 45 13 2 12 8.4 1.4 2,186 32 7 1 17 0.3 2.0 14,832 31 13 3 15 2.7 3.3 test 5,415 28 12 3 11 2.3 2.7 stes 5,415 28 12 3	Number Overseas students Whereabouts tunknown permanent job at in load and in employment Already in employment Polytechnics and colleges Universities 4,828 27 14 3 2 13 2 20 15 4.2 2.4 5.3 4.7 2.8.6 2,131 32 13 2 13 2 20 15 4.2 3.6 4.7 2.8.6 2,132 30 14 5 13 2 10 6.2 4.0 6.8 1.8 1.4 11.8 4.0 6.8 1.8 2.9 2.2 4.0 6.8 1.8 1.8 1.8 1.9 2.9 2.2 5.4 4.1 11.8 4,902 28 11 3 11 2.9 20 8 11 1 11 2.9 2.2 5.4 4.1 1.5 3.0 9.8 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	Number Overseas students Whereabouts tunknown permanent Job at tunknown Already in employment Polytechnics and colleges Universities Public services 4.828 27 14 3 21 2.4 5.3 4.7 11.2 2,131 32 13 2 20 1.5 4.2 8.6 6.2 2,132 30 16 5 17 6.2 4.0 6.8 3.8 1,424 28 13 3 12 7.0 4.1 11.8 2.0 4,902 28 11 3 11 2.9 2.2 5.4 6.8 4,117 20 8 1 11 1.5 3.0 9.8 4.6 Technology 2,969 45 13 2 12 9.4 1.4 3.4 4.2 2,186 32 7 1 17 0.3 2.0 4.4 2.8 14,832 31 13	Number Students Whereabouts Job at tunknown Job at tunkn

the output of postgraduates in Oxford seems to have been relevance than management. decline of demand against the worry among the careers ad-

But, with this sole exception, rising supply would predict. "I visers that far too many gradu-

and with subjects. All other to be distinctly better off than two, three or more years of chance of continuing up the chance of an academic 1 h, per of its new graduates who take it without reckoning what By 1975 industry and com- things being equal, the person those from arts and from those study younger. Economists are academic ladder.

In our to higher degrees, both take it without reckoning what By 1975 industry and com- things being equal, the person those from arts and from those study younger. Economists are academic ladder. to on to higher degrees, both the extra time invested might merce were evidently taking a who emerged with a higher social studies which the external said by some university staff. But while more are undoubt-

erest of the self-expanding winds have officery and main areas except some better placed main the equivaevice is shown by the accomresult of the suspect that it is because ates this year have carried on
postgraduates whose extra inthe suspect that it is because ates this year have carried on
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postgraduates whose extra inthe suspect that it is because ates this year have carried on
postgraduates whose extra inthe suspect that it is because at the suspect that it is beca anying table. It compares the ance of the former large num- the master's and doctor's gradu- people taking master's qualifica- of extra pay, of a higher degree chanted with economics as a "Universities in my view are fails to pay off, but also for the ditput of British universities at bers of new academic posts in ates of that year were still tions in management—who are has on average failen heavily subject that is useful to busi- doing nothing like enough to in housing management was a subject that is useful to busi- doing nothing like enough to its housing management. his level in 1975 (the latest universities and polys. The de-better off than their counter usually older than postgradu- across the board. People with ness," said one careers adviser, 2°! it home to new graduates is because many of the candicar for which detailed figures pression was doubly reinforced parts of 1977. For then the ates in other disciplines even in subjects such trying to stifle a sarcastic leugh. that before chasing higher dates for lecture-ships new are re available) with that of 1969 for those who failed to achieve number of jobs in the public having had working experience as chemistry, and master's So there is every reason in academic prizes, it is in their better qualified, and have also their academic ambition, services was still increasing, before returning to further degrees in applicable skills like the state of the employment own vital interests to come taken more trouble to prepare because not only were there and that is so no longer. study—are in general appar statistics are known to have market, for future youngsters along for some professional themselves for teaching, than In 1989 these universities pro- more competitors for other According to university ently having little difficulty in settled for jobs in industry and ending their undergraduate advice on outside prospects in large numbers of those who need a total, excluding medi- kinds of career, but the recess careers advisers, the effects on finding employment, even at commerce at starting salaries years with an upper-second their disciplines," commented a were swallowed up by the exine and associated subjects, of sion which halted recruitment this summer's crop of post- salaries of £7,000 or more. And only a little above, and on class honours or even a first- scalar careers officer. "Ton panding university departments postgraduates. At that of dons had also reduced the graduates, while of course these in science, and engineer- occasion even below, those pre- class bachelor's degree to think many of them don't look for any of the 1960s.

guidance beyond their tutor a d the tendency there is that the advice will be insufficiently. informed, if not downragh, tendentious."

He was referring here to at spicion, widespread among the staff of university appointments services, that a good many of their academic colleagues arre s sponsibly encourage good undergraduates to stay on, oven when knowing that the return to the student by way of career prospects may be minimal, or negative if the time spent i extra study leaves the post graduate too old for a career which would have been open at bachelor-degree level.

But another factor in maintaining the staying-on at rates unjustified by prospects of employment, is the sheer force t of the wish among undergraduates to make their career as an academic. Given a choice between potential recruits with a lower and a higher degree, university departments will in general automatically opt for perhaps 250 candidates applying for each university lecture-hip coming available, if andergraduates are to have any they simply must complete a d. storate.

The result is depressing, not only for the majority of the

Letters to the Editor

uch are sportsmen, divers and counterpart.

I suggest that they should be Senior Consultant/Tutor.
The College of Management. arraings over a certain amount, Dunchurch, Rugby, saraings over a certain amount, Dunchurch, Rug paying income tax only on the remaining part. The capitalised part would go into Government index linked bonds, payable in full on, say, their 25th or 40th birthday. In view of the indexing, they would not pay interest, but they would provide the means to start a new career in From the Chair Ineans to start a new career in

middle life. In the spent of premature September 20 story "IBM's \$2.7m. I do not have to explain the condition in the phrase "unimmediately into the decased's fusing to your readers, since an doubtedly the apparent." lave to be those which can only sessing the condition of the phrase "unimmediately into the decased's fusing to your readers, since an doubtedly the apparent." lave to be those which can only sessing the condition of the phrase "unimmediately into the decased's fusing to your readers, since an D. T. Bett. have to be those which can only be followed in youth.

A. H. Scott. 102 Beeches Road. Cheimsford, Essex.

he nuclear

Frank T. Cary.

Frank T. Cary.

Frank T. Cary.

Armonk, New York 10504.

Frank T. Cary.

Frank T. Cary.

Frank T. Cary.

Frank T. Cary.

Construction

Construction

Among these, you sav are Frank T. Cary.

Armonk, New York 10504.

CONSTRUCTION

The special state of the Nuclear Supports of Group tells us that it leads inviting some of the more realestrant auclear customers to lam, Among these, you say, are algorithm and the special state of the non-proliferation of specialists and the special state of the non-proliferation of specialists and the special state of the non-proliferation of specialists and state of the non-proliferation of specialists and the special state of the non-proliferation of specialists and the special state of the

Political practice. Indeed, must be inherent in contract lighton and implementation knowledge of the os of a potential customer he reasoning behind nego-

A Way of taxing

could aid British firms generally in competing for overseas orders against foreign competition.

In closing I cannot agree that training in salesmanship could significantly, improve the situation of the same reasons as Mr. A. Scott.

Sir.—Although it would help we did not have tax arrange tents which produce tax exite alleurs and wealth to such faces as the United State allowance for a hose worthled experiment of the same reason as Mr. A. van der Louw, between the commission, between the Commission's stated to the same reasons as Mr. A. van der Louw, between the Commission's stated would or could put survival in the may well be responsible for a Labour victory at the next election.

Large foreign contracts the normal water of the same reasons as Mr. A. van der Louw, between the Commission's stated doubt) and then he may well be responsible for a Labour victory at the next election.

Line losing I cannot agree that that the surply. We have also been if it is a success, then with his decreases the surply. We have also been if it is a success, then with his access, then with his saccess, then with his saccess, then with his decreased been discussed "with the Prices (commission. Prima facie this Steel's the Government may survive to the same reasons as Mr. CBI Employment Policy Committee meets, London. Northern troduce the next election of the case increases and expectably in conspecting of the same reasons as Mr. A. van der Louw, but to doubt and the may well be responsible for a Labour victory at the next election.

Large foreign contracts the supply. We have also been if it is a success, then with his decreases, been did the Government may survive the same reasons as Mr. CBI Employment Policy Committee meets, London. Northern troduce the next velocity at the supply of the same reasons as Mr. CBI Employment Policy Committee meets, London. Northern troduce the next velocity of the same reasons as Mr. CBI Employment Policy Committee of ween the Commission state the survival in the survival in the n D. A. Overton

IBM trade

From the Chairman, IBM Corporation.

essential fact was left out. In addition to the award to Forro Frecision: Inc., the jury also found Forro had used misappropriated IBM trade secrets and awarded IBM \$260,777 in damages. That is why I said it's difficult to understand the award to Forro. since the "interference" to Forro, since the "interference" with Forro's business related to a search of Forro's premises by the police with respect to the

The files "Pre-Contract could only lead to a lamentable the files "Pre-Contract waste of national resources."

The files "Pre-Contract could only lead to a lamentable of national resources.

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The files "Pre-Contract could only lead to a lamentable on national resources.

The files "Pre-Contract could only lead to a lamentable on national resources.

The files "Pre-

Theory or

Desitions is also important From the Director of Works,

project manager and I University of Technology.

Sir.—The reported concern of them from near extinction, a is indicative of the appalling the prices Commission about fuel point unmentioned by Mr. Steel.

Sir.—The reported concern of them from near extinction, a is indicative of the appalling consequence of being exploited the Prices Commission about fuel point unmentioned by Mr. Steel.

This is why all the alarums further by such countries. Sir about the continuation or non-Murray MacLebose should be reflected in the prices actually about the continuation of the pact for any told so firmly and sent packing.

The aware that many firms charged. The East Midlands Gas reason are nonsense—the unsaid the prices of the manager and I University that increases in east of the more to answer for than a District Textile benefit will always prevail.

Mr Steel, however, may have Employers' Association, a indicative of the appalling consequence of being exploited further by such countries. Sir about the continuation of the pact for any told so firmly and sent packing.

Charged in the prices actually continuation of the pact for any told so firmly and sent packing.

The aware that many firms

The aware that the saved is in discussion. Sir aware the alarums

The aware that it has saved in the metal trade consequence of being exploited for the prices consequence of being exploited for the prices consequence of being exploited for the prices actually point the continuation or non-Murray MacLebose should be reflected in the prices actually point the continuation of the packing.

The aware that many firms

The aware that it has saved in the metal text the Liberal six but it has a large that the prices actually point the continuation of the packing.

The aware that it has saved in the many firms and the continuation of the packing of the pac

From Mr. D. Bett. Sir,—What a curious article on "What we do in the TV breaks" pediency support such a risk? in your September 29 issue. The And for my own curiosity, can main activity is not even men. Sir,-What a curious article on main activity is not even men- Mr. Steel sleep of nights? tioned—switching over to have Wilfred Verber. a look at the other programmes! Verber House Fairfield Street.

The naivete of the article is Manchester. summed up by your paragraph which starts "The most import-ant factor established by the

survey was undoubtedly the apparent confirmation it provided of the validity of the research method used." I hope I do not have to explain the confirmation in the phrase time.

From Mr. B. Parkes.

Standards of

concerning inadequate security
standards within industrial to wonder how much it might be
buildings and estates (September
27) contains much fact which

Perhaps and of your readers

Refer is: and to that extent the such move.

Anyone who thinks objectively mercially successful security consultants tend to be more cost key to efficiency in construction really is private enterprise and petitive market than the industrial construction petitive market than the industrial construction is private enterprise and construction petitive market than the industrial construction construction petitive market than the industrial construction construction petitive market than the industrial construction constr really is private enterprise and individual fiair.

I am not attempting to defend the construction industry when I briefly and earnestly suggest that if that proposition ever became a reality it would be the biggest political blunder of that Minister's career.

The essential ingredients for construction efficiency could not the misunterpretation of exist in any "National Construction" and in consequence.

The construction industry when I am not attempting to defend the construction industry when I am not attempting to defend the construction industry when I briefly and earnestly suggest that if that proposition ever wag the industrial dog to the detirement of profit, safety labour relations or any commencial factor. "Six armed guards for every employee Mr. Brennan? This week and for you I can make a special reduction."

The construction industry when I am not attempting to defend the construction?

The essential ingredients for construction efficiency could not exist in any "National Construction of exist in any "National Construction of the construction of exist in any "National Construction of the construction of the construction of the construction of exist in any "National Construction of the constructi

isation and Left wing policies would then befall us!

Twenty years gamble on £10

Sir,—I have been following with interest the correspondence regarding premium bond prizes since I have a £10 bond, bought just 20 years ago (October 1957) which has never won a prize.

At the time I was a domestic, earning £2 10s (£2.50) a week plus my keep, so that it represented four weeks' earnings.

Now it is worth so little it is too much bother to withdraw it. Sir. - John Brennan's article much bother to withdraw it. Occasionally it occurs to me

of their numbers how will he ever find my bond? Will the Government Actuary be able to

From the Chairman,

Support Campaign. Sir,-Let us not shed any tears

for the Governor of Hong Kong as he pleads (September 27) with Mr. Edmund Dell for a more liberal EEC textile philosophy. Hong Kong, and many other Far From Mr. W. Verber

Sir,—In your leader of Septemof 300,000 textile workers who ber 28 under the beading have lost their jobs in the U.K.

"Liberals in a squeeze," you alone, over the last 10 years. The long awaited realism benefit the pact has earned for which now pervades the EEC the Liberals is that it has saved negotiations on the textile trade them from near extinction, a is indicative of the appallication.

Labour Party annual conference begins, Brighton.

To-day's Events

tion opens Royal Garden Hotel, credit business (August).
W.8 (ends October 4).
Lord Mayor of London reCurrys (interim figure Lord Mayor of London receives Mr. A. A. van der Louw, Freemans (London, S.W.9) (half. British Museum, Bloomsbury, Burgomaster of Rotterdam, at Mansion House, E.C.4.

Commonwealth Library Association of Lord Grawings and Selections by Peter Paul Rubens, W.C.1 (until October 30).

Romanian stamps, Gibbons Gallery 339 Strand W.C.2 (until October 30).

uneral workers due to begin. Investment intentions of manu- London and the Thames Exhi- Wembley. Tenti-Conference on rules governing facturing, distributive and ser- hition, including works by Cana- Trophy, Sunderland.

ommercial exploitation of vice industries (1977 and 1978). Exhibition about Great Clock interctica continues, London. Retail sales (August, final). Hire of Westminster (Rig Ben) and repetroleum Equipment Exhibipurchase and other instalment cent repair work, Westminster

COMPANY MEETINGS See Week's Financial Diary on

EXHIBITIONS

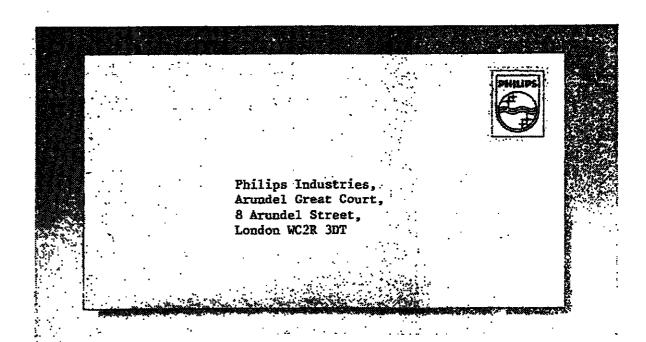
Hall, S.W.1 (until mid-October). Exhibition of 230 drawings and

letto, Constable, Gainsborough,

Turner and Whistler, the Fine Rooms, Somerset House, Strand, W.C.2 (until October 9). Exhibition about Great Clock

Romanian stamps, Gibbons Gallery, 339, Strand, W.C.2 juni! October 31). SPORT

Horse of the Year Show begins.



An important announcement from Philips Industries.

As from October 10th PHILIPS ELECTRONIC & ASSOCIATED INDUSTRIES LIMITED. ('PHILIPS INDUSTRIES') will be at:-

PHILIPS INDUSTRIES ARUNDEL GREAT COURT, 8 ARUNDEL STREET, LONDON WC2R 3DT. Tel:01-8364360 Telex:267518

This address will house:-

The Board

Staff Departments previously at

11-12 Hanover Square, London W.1.

Century House, Shaftesbury Avenue, London W.C.2. Berkshire House, High Holborn, London W.C.2*

Waddon House, Stafford Road, Croydon, Surrey.

The Business Equipment Division

AtemporaryShowroom *With the exception of the Patents Department, which will remain at Berkshire House.



Simply years ahead.

PHILIPS

Asda's new stores nearing completion

of Associated Dairies, says in his annual statement that the first high level, but after the Christ-mas period there was a recession

In spite of increases in the price of liquid milk, sales for the division were maintained. The cover on last year's earnings is IN HIS annual statement. Mr. 18 times and the chairman is on J. A. Rowlatt, chairman of Celtic company has also increased its sales of milk and dalry products to national customers. The chairman customers. The chairman customers and the chairman is on J. A. Rowlatt, chairman of Celtic Haven, says that in the current year two wells in the oil exploration programme in the Celtic Sea for national customers. The chair-man feels that sufficient supplies of liquid milk for manufacture must be maintained so that an adequate return on capital in-vested in buildings and plant can

The dairy at Newcastle is now completed, the chairman says, and this will enable the company to rationalise activities in the area.

The dairy at Newcastle is now completed, the chairman says, and this will enable the company to rationalise activities in the area. Contractors have started work the £1.5m. expansion of the

earnings growth cannot match up properly revenue continues to increase steadily. Sir Cyril adds, recorded for the last five years as a result of rent reviews and Properly revenue continues and Properly revenue continues to increase steadily. Sir Cyril adds, as a result of rent reviews and Properly revenue continues to increase steadily. Sir Cyril adds, as a result of rent reviews and long-awaited exploration properly rented in the Celtic Sea produced a tenth with another tinues while sales proceeds produced a crop of four wells for six stores due to be opened before gressively reduce net horrowings. increase at the net level. A revival Taxation in consumer spending could add Net revenue that extra boost to non-food sales.

Authority (telephone number in

parentheses)

Elmb'dge (Walton-on-T. 16844)

Liverpool (051 227 3911)

Reading (0734 592337)

Redbridge (01-478 3020)

Thurrock (0375 5122)

Thurrock (0375 5122)

Liverpool (051 227 3911)

Alvn and Deeside (0244 531212) 10

BOARD MEETINGS

annual statement that the first eight meaths of last year saw trading in both food and non-food sectors at an abnormally schanae such meetings are usually shigh level, but after the Christ-bras period there was a recession and these conditions prevailed for the remainder of the year.

As reported on August 26 pre-

As reported on August 25 pretax profits for the year to April
30, 1977 leapt from £14.77m. to a
record £23.92m. and the dividend
is lifted to 1.03253p (equivalent to 0.03373n). A one-for-three scrip

Oct. 13

Marshall Cavendish James Nelli Scoush National Trust Second Broadmount Trust Oct. 13

Moistenbalme Broaze Fourders.

is also proposed. During the year new stores were opened at Aberdeen, Birkenhead. Coatbridge, Scunthorpe, Plymouth and Dundee, Mr. Stockdale says. The company has commenced trading at Gosport since the end of the financial year, and currently five new stores are in an advanced state of completion, the chairman adds. In shite of increases in the price Celtic Haven prospects

Beaumont

revenue

have already been serviced, and other wells have been talked

to service off-shore," he adds. history and the storage and PRE-TAX REVENUE of Beaumont On the marine engineering handling divisions are up to Properties for the half year to side some improvement is now capacity, says the chairman. Contractors have started work on the £1.5m expansion of the West Marton cheese factory: the purpose being to increase production facilities for cheese and to accommodate modern packing facilities.

Working capital increased by £4.5m (£2.5m).

Alceting Leeds, October 26 at 230 p.m.

Comment

six stores due to be opened before gressively reduce net borrowings, the group to service including the vent end—five of these before the Shell's well, which was shared jointly with another com-1976-77 1975-76 pany. The supply based company turned a loss of more than £60,000 into a profit of more than

Toye rises midway to

£103,574

	half of 1977, sales rose from £2,03m.
	profits were up
And the dire	ctors believe that
	second half will reasonable. For
the year 1976.	group profit was lividend of 0.8125p
was paid,	tividelid of A'orrah

ordinary credit for the first half

The company's activities include the manufacture and sale of civil and military regalla.

Parker Timber progress

eliminated. Other disposals were being negotiated or discussed.

TURNOVER for the first five being negotiated or discussed.

Shareholders formally approved Shareholders formally approved subscription to the notes was afterwards made in accordance with the letter to shareholders of being negotiated or discussed.

Shareholders formally approved subscription to the notes was afterwards made in accordance with the letter to shareholders of being negotiated or discussed.

Shareholders formally approved the figure of the figure is the figure of the figure in the state of the figure in the

As reported on September 2, external sales advanced from £31.57m. to £41.08m. for the year to March 31, 1977, and pre-tax profits were ahead at £2.74m. (£2.06m.).

about.

The company also expects to make profits from other waterfront activities. "and these undoubtedly could be expanded if there was no more exploration to service off-shore," he adds.

On the marine engineering

rose from £36.41m. to £52.29m. London B subject to expenditure, including £19.9m.).

Working capital increased by against £33.57m. and pre-tax revenue expanded from £2.24m. to £3.88m.

The dividend is stepped up to 13p per £1 share compared with 12p with a final of 6.75p.

	19/6-77	19.3-
	٤	£
Gress revesse	52,293,244	36,414,5
Expenditure	45,919,346	33,565.6
Balance	L373.73 8	2,549,9
Deb. interest		397_5
Other interest*	19.141	
Pre-tax revenue	3,676,406	2,200,5
Indian taxt	1.949.578	954.8
Net revenue		1,286.6
Provisions		· -
Contingency reserve	283,439	141.5
Development reserve		_
investment allowance		_
General reserve		590.8
Preference dividend		114.0
Ordinary dividend		511.5
Carried forward		62.7
* Deterred Ordinary	dividend a	and bar
overdraft. + Including	annual e	וזמסומט
tion to deferred tax. 1		

REPORTS TO MEETINGS

Fraser Ansbacher reducing loans

After tax £50,348 (£31,432) net Sir Samuel Goldman, who last show a further set of satisfactory profit emerged as £53,226 November became chairman of results, with assets again improve (£34,489). There was an extra-the Fraser Anshacher financial ing materially. This should enable ordinary credit for the first half and banking concern, told the the group to carry on with the annual meeting of further re-equipment programmes.

derelopments in the process of Longton Transport (Holdings)

and banking concern, told the
leg further
developments in the process of
il disenzagement in certain sectors
by the group, which last year
incurred a net loss of £3.1m. after
extraordinary items.

The amount outstandument
the process of the leg to the process of the control of the process of the control of the process of the control of the process o

apital in Henry Ansbacher, raising the total to f6m.

The following extracts are taken from other chairmen's reports to shareholders at recent meetings.

Wagon Industrial—Mr. Leslie Smith said he was optimistic about the coming year and saw a return to steady advancement. Last year, the group recorded a slight drop in profits.

Scottish, English and European Textiles — Group management accounts for the first four months were in line with budget, with profits usefully ahead of last year. Therefore Mr. J. H. M. Mackenzie expected that the full year should during 1977.

ISSUE NEWS

Midland Bank statistics

The amount raised by company

Matthew Hall forms new subsidiary

IN VIEW of increasing interna-tional activities, Matthew Hall and Co. has decided to form a new subsidiary. Matthew Hall (Inter-amended their dividends consecutional Developments), to co-quent super the reduction in ordinate group sales, to arrange income tax: ordinate group sales, to arrange contact and entry in overseas markets for all group subsidiaries and to pass on international in
Dunbee-Combex-Marx — Final dividend for 1976 increased from 7p to 7:153846p.

Polymark international — Fur-

The group at present has a very ther dividend declared for 1976 healthy and expanding order book and service and management contracts in excess of £200m. have been won in the U.K. and overseas during the first nine months of this year.

SENA SUGAR

shareholders ena Sugar Estates will have to continue waiting for their divi-dends. They were last paid for the three months ended March 31

SIMCO MONEY FUNDS. (Saturn Investment Management Co. Ltd.) Rates for deposits of £1,000 and upwards for w/e 2 10.77 7-day Fund % p.a 6.675 Tues. 5.593 Wed. 5.589-Thur. 5.560 Fri./Sun. 5.540
and upwards for w/e 2 10.77 7-day Fund % p.a Mon. 5.675 Tues. 5.593 Wed. 5.589 Thur. 5.560
Tues. 5.593 Wed. 5.589- Thur. 5.560 Fri /Sun. 5.540
Thur. 5.560 Fri./Sun. 5.540
2-WOUCH LAND

5.250

AMENDMENTS:

Shake-out at **Companies House**

BY CHRISTINE MOIR

THIS WEEK-END the first stages street which makes over 158 or of the Companies Act 1976 took searches in a year and which he effect. Now all public companies had its own camera installed will have to produce annual Companies House for a long fine will have to produce annual Companies House for a long fine accounts no later than seven put pressure on the Registrar months after their financial year tighten up the system and radio ends and private companies the errors.

those left, the files on the longest established companies, contain old and often defaced documents. These present special difficulties in filming which has slowed down the programme. The Registrar now believes that completion will not be before the turn of the year.

Meantime the whole concept behind this micro-filming, which was claimed in 1975 by the Department of Trade 10 "provide a speedier and more efficient service" for company researchers.

In Companies House. They a expect the system to take further year to get over its termine pains and thought they may be sufficient for the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may expect the system to take further year to get over its termine pains and thought they may to keep garget the system to take further year to get over its termine pains and thought they may to keep garget to the pains and thought they may to keep garget to the pains and thought they may to keep garget they are to get over its termine pains and thought they may to keep garget they are

vice" for company researchers. Now it has four and the amilhas come in for continuous can select any document to stimulate their lefsure.

view carton manufacturing division has been opened in Dukinfield.

A statement of source and application of funds shows that general increased growing capital increased by the issue of marketable securities in September was £1393.5m. In the first nine months of this year £1.683.5m. In the state of source and application of funds shows that general increased growing capital increased by the issue of marketable securities in September was £1393.5m. In the first nine months of this year £1.683.5m. In the state of 1925.5m. In the first nine months of 1977. company issues represented 62 per cent. The more frequent company issues searches contained errors and play issues represented 62 per cent.

Calcutta

Local authorities accounted for 1976.

Electric

GROSS REVENUE of Calcutta 52.5m. and there were three stores to fill of 1976.

Electric Supply Corporation for issues, two by islington Corporation store is the year ended March 31, 1977 to the year ended March 31, 1977 to from £38.4m. to 52.39m. London Borough of Southwark subject to expenditure, including files.

Vesterday the directors reported that following a meeting of directors on September 22 "it was decided that no payment of arrears o rthe current dividend could be made."

SHIPREPAIRERS

The 55 per cent. preference dividend of North East Coast Ship dropped from £118,000 to 581-for the first half of 1977 be tax of £42,000, compared to the adverse trading conditions to the solution of the adverse trading conditions to the comparation of the current dividend could be made."

Deposits of £1,000-£25,000 accepted for fixed terms of \$1 years. Interest paid gross, half-yearly. Rates for deposireceived no later than 7.10.77.

Terms (years) 3 4, 5 6 91 10 101 101 11 111 111 interest on Rates for larger amounts on request. Deposits to and furthe information from The Chief Cashier, Finance for Industs Limited, 91 Waterloo Road, London SE1 8XP (01-928 7826 Ext. 177). Cheques payable to "Bank of England a/c FF2 FF1 is the holding company for ICFC and FCI.

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This advertisement complies with the requirements of the Council of The Stock Exchange of the United Kingdom and the Republic of Ireland,



Western Mining Corporation Limited

(Incorporated with limited liability under the Companies Act 1928 of Victoria)

U.S. \$50,000,000

9 per cent. Bonds 1992 Issue Price 100 per cent.

The following have agreed to subscribe or procure subscribers for the Bonds:--

S. G. Warburg & Co. Ltd.

Banque de Paris et des Pays-Bas

Dresdner Bank Aktiengesellschaft

IBJ International Limited

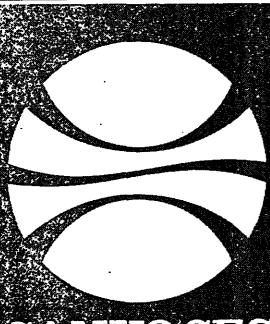
Swiss Bank Corporation (Overseas) Limited

The 50,000 Bonds of U.S. \$1,000 each constituting the above issue have been admitted to the Official List of The Stock Exchange. Interest is payable annually on 15th October in each year, the first such payment being due on 15th October, 1978. Particulars of the Bonds are available from Extel Statistical Services Limited and copies may be obtained during usual business hours

up to and including 21st October, 1977 from the Brokers to the issue;—

I King Street, London EC2V 8DU.

3rd October, 1977



LOCAL AUTHORITY BOND TABLE

gross Interest Minimum Life of interest payable sum bond

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SANYOSECURITIES CO.,LTD.

have pleasure in announcing that their London Representative Office has nged to BRAN CH OFFICE status from the beginning of October, 1977

Mr. Yoshio Miyake, Chief Representative, assumes the responsibilities of General Manager and he and his colleagues look forward to giving you any assistance which you may require in the future

18 FINSBURY CIRCUS, LONDON EC2M 7BP Telephone 638-3988/3990 Telex 8812979 SYSEC



SANYO SECURITIES CO., LTD.

SANYO SECURITIES AMERICA INC. 100 Wall Street, New York, NY 10005 U.S.A. Telephone: 212-344-3640 Telex: 424662 SYNYUI

FIXED INTE

RIGHTS

Morgan Stanley International

Hoare Govett Ltd.,

Pending dividends timetable

For the convenience of readers the dates when some of the more important company dividend statements may be expected in the next few weeks are given in the following table. The dates she next rew weens are given in the following table. The units shown are those of last year's announcements, except where the forthcoming Board meetings (indicated thus") have been officially the should be should be a should be should b forthcoming most a meetings (indicated thus") have been omerany spablished. It should be emphasised that the dividends to be explained will not necessarily be at the smounts or rates per cent. Schown in the column headed "Announcement last year," Preliminary profit figures usually accompany final dividend announcements.

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Swiss lay guidelines for tighter banking controls

A STRENGTHENING of internal same SwFrs350m, were granted have a named specialist to deal bank controls on fiduciary business to Italian banks which had made with the placing of fiduciary by recommendations published to the Liechtenstein company, by the Swiss Bankers Associa- Texon-Finanzanstalt.

and to guard against abuses.

a Press conference that fiduciary, tion is urged of standard forms withholding lax. Official investior trustee, accounts and for guarantee grants. gations are being carried out at
guarantees had been a major in the field of fiduciary present as to the volume of any
subject for discussion in the accounts and fiduciary loans, the withholding tax repayments due
recent Credit Suisse affair Here. Bankary Accounts and on the Chiasse funds which were letter-bex company.

ness and guarantees is foreseen lira loans to companies affiliated funds:

The recommendations contain controls in the fiduciary field. These guidelines for the 434 a number of suggestions for the the guidelines also stress that member banks of the Association improved inner-bank control of no guarantees should be given are intended to facilitate the guarantee grants, with only one on fiduciary investments. Not management of such business and to guard against abuses.

recent Credit Suisse affair. Here. Bankere Association says each on the Chiasso funds which were some SwFrs2.17bn. worth of bank should have a list, of a granted guarantees. clients' fiduciary accounts with binding nature, of first-class Speaking at the "Swiss the bank's Chiasso branch were correspondence banks or come bankers' day in Lucerne to-day, misdirected to a Liecktenstein panies with whom trustee Mr. Sarosin said his Association latter has company.

strengthening

Mr. Alfred E. Sarasin, the sign guarantees to be reduced, be at the client's own risk—but Association's president, said at while at the same time introduct it also enables avoidance of a Press conference that fiduciary

investments may be made. This was currently working on a plan Most of the funds were fur list would be kept and revised for the protection of hank nished with unregistered guaran by a special central bureau in depositors. A rough model is tees or time-deposit confirms the bank and internal limits expected to have been completed tions. Additional guarantees of regarded. Each bank should by the end of this year.

Clabecq reduced losses

BRUSSELS, Oct. 2 REDUCED losses are reported poor results to continued flows for the year ended June 30 by to its traditional markets of low-Forges de Clabecq, a medium price competitive products from sized Belgian steel company. Last year the company incurred in neighbouring countries prefer-

18.4 per cent, and sales were against the dollat.

24.6 per cent, higher. In 1975-76 the company's sales halved and steel production was almost two-fifths laware.

The company is again omitting its dividend after not making a payout for 1976. The last dividend—for 1974-75—was B.Frs.250 per share.

In its report on the year ended in the preceding year, while product, had not improved.

Sales in 1976-77 rose to B.Frs.6-81bn, from B.Frs.5-47hn, in the preceding year, while product on increased to 831.285 metric tons of crude steel from 701.813 tons.

VW increases workforce

WOLFSBURG, Oct. 2 VOLKSWAGENWERK AG plans mid-1978 due to the continuing high demand at home and abroad a less of B.Frs. 429.8m. compared ence is given to national products high demand at home and abroad with a deficit of B.Frs. 686.4m. in the Belgian franc. especially vw. parent company workforce.

> In a statement VW said 2,100 new workers would be engaged at its domestic German plants by end-1977, including 1.300 at

Wolfsburg. Demand for VW vehicles re-

Money and Exchanges

Bank of England Minimum
Lending Rate 6 per cent.
(alinee, September) 18, 1977)
Interest sizes remained fairly
Interest sizes

Sept. 30	Certifue Certificate of deposits	Interbank	quantita, Tarkoust	Lees Auto. negotiable hands	Pinana Rouse Deposit	Complete Deposits	Precius: insteat ineposit-	litensurs Hills of	Hills & Beirk Pithies	Fine Iran Rilie
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date of factor of the month	5 2 5 3 4 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6	534-575 534-575 534-578 534-518 619-614 658-612 615-676	51- 5-8-51a 5-4 6-4	63,53, 61,653, 653, 653, 67,62	578 614 578 614 578 614 612 612 674	674 614 638 658 659 678	5'4 5 4 51: 54: 55: 51: 5:	514 534 514	534 598 519 5.8	639-619 619-619 614-619

Approximate selling rate for one-month Treasury hills at per cent.; two-month 5-16 yet cent., and three-utont been cont. Approximate selling rate for one-month hack hills at per cent.; two-month 55 per cent, and three

		CHANGE		OTHER MARKETS
7ti		Market	Rates	Notes Rate
	Rates		Close	Argentina - 22.58-225.56 Argentina - 800- Australia - 1.586 - 1.5558 Austra 28 La- Brazii
New York Montrest Amsterdam drustels Lopenhägen Frankrurt Liston Madrid Ulian Ulian Tanck *tockhoim *tockhoim	712 612 6 2 112 6 2 6 2 7 2 8	1.7452 L.7678 1.8788 1.8770 428-4.51 428-4.51 10.72 10.76, 4.62-4.05 71.60-71.56 147.65-148.15 1.548-1.540 9.58-8.57; 8.42-4.45 457-467	1.8756-1.9765 4.28;-4.29; 10.74;-10.75; 4.Cå:-4.64, 7.1.25-71.45 148.00-148.1 1.541;-1.5428 x,01-9.62 8.54-8.55 6.48-8.44	Hough ng 3.1580-8.1716 Dennark 10.77 Iran L2-416 France 8.55 Kurani 6.45-0.506 bernary 4.90 Luxemi g 64.40-6.56 Green 62- Mauysta 4.4889-4.956 Iran 1658- N. Zealand 1.7824-1.806 Injan 489- bend 1.7844-1.806 Injan 489-

FYCHANGE CROSS-RATES

130 30 3 22 12 41 24 43 44 423 475	40.7847 1.7474-14 4.4552-78	\$2.575 .8 5	15.707-741 -2.40 50 6.8166-8915	1,7477-7460 8,557-617 62,57-52 4,2015-65	4.22, 39,	23.60.62
	41.0% 41.0% 425.475	20-79 4.8972-9020 Alexa Alexa 1 15-4, 1-1414-14 125-475 4.8002 19 1-82-16 2.34-5-55	22.12 4.2972-9072 41.02	in. 12 4.277-2007 (5.707-74) 41-64 A. 176-17 1.23-21 15:54. [1414-14 e.c.4-50 +2.40-50 4.54-375 4.50-21 10 60.575-88- 4.216-52-50 1.82-16 2.34-5-50 47.84-91 6.246-5-553-553-55-5-5-5-5-5-5-5-5-5-5-5-5-5	in. 12 4.575-9927 (5.707-741 Exercisis) 41-64 A. 176-17 1.23-21 (5.25-62) 424-475 4.65-21 (6.45-62) 4.761-62 4.84-475 4.65-21 (6.45-62) 4.761-62 4.84-63 4.761-62 4.7	

FURG-CURRENCY INTEREST RATES*

Sept. 30 : Storing (U.S. Datter	Lazadini Dollar	Gulder	irent	W. Germa
#Shart term	6-7 614-714 634-715 678-714 7-755 714-756	4.414 4.414 4.54.456 454.458 519.558 519.558	2-38 3-1 1-1 4 6-2 2-3 2-3-2-3	313 314 3 2 3 4 5 2 3 4 4 4 1 2 3 5 1 6
Burn-Freuch deposit rates: (who one-aunth 34-54 per uzul: three-m cent;) one-ear 104-105 per cent. Cons-term Eurodoust deposits: (502): (var vers 16-74 per cent; feet		>2s per cent	.: Ure ve	#15 7 -73 0

The following nominal rates were usured for London dullar certainant tennel one-month of \$1 per term. Three-month Sea-Slow per tent, spin 55-7 per tent, one-year int per cent. "Rittes are nominal classing at-5. · Short-term rates are call for aterities, U.S. towars and Canadian dollars: a notice for suiders and Swiss Irance.

GOLD MARKET

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FORWARD	RATES	•

7:19 21911111 1111121	to better economic perform-
New York, U.12-U.23 atts 0.65-0.35 c. dis Austrean, U.17-0.27 c. dis 0.48-0.56 c. dis American is expected in 12-73 c. per Persential in 14-12-73 c. per Persential in 14-12-73 c. per Persential in 14-13-73 c. per Persential in 14-13-73 c. per Persential in 15-13-73 c. per Persential in 15-13-73 c. per Persential in 15-13-73 c. per Persential in 10-12 c. per Persential in 14-13-73 c. per Persential in 14-13-74 c. per Persential in 14-13-75 c. per Pe	The Institute's members are responsible for a very large proportion of purchasing budgets in both the public and private sectors of the economy. Together they spend about £75 billion annually on goods and services and, by the very nature of their work, exercise a significant influence on the management of the economy. "It is therefore vital," said Mr. Critchley.
	6 that the institute should

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MINING NOTEBOOK

هلذا من الأصل

Fresh fighting fuels Fraser fracas

here about the Dillingham affair, partner.

Corporation of Australia. Australia's Murphyores was personnering.

mitted by the Labor Govern
ment to start mineral sand mining on Fraser Island off the
Queensland coast, but their operarions were subsequently banned
tion if mining operations had to
by the present Liberal adminishes he halted for such reasons would
tration for environmental reasons.

Make the Dillingham affair a
mains in the context of the procountry for the context of the context of the procountry for the context of the context of the procountry for the context of question.

But the pub of the matter is consequences that the partners are obviously Island decision entitled to compensation for this political about face. They have claimed \$422.9m. in a detailed argument of some 50 000 word. The Government has now offered beyindening Pages 1.

here about the Oliminana analy, parties.

Like-a stone throw into a pond.

Mr. Cornuello rightly stresses it is also excited by Barrx - nearly its ripples are spreading and in the international repercussions of Mitchell's Flit area where exploration course are "shredding the affair. As previously pointed long drilling has indicated sub-dustralia's international reputational reputational reputation of the strength of the streng tion in investment circles to of vital interest to Australia's ing quality coal. Great Great is tetters" to quote Mr. D. B. Hill, potential uranium miners in view well situated in relation to rail managing director of Dillingham of the Labor Party's threat to and scaport facilities.

To recapitulate briefly, this allowed by the present administration off-shoot of America's Dillingham tration and the violent environ-

another think about the overall Conner other the former consequences of its Fraser \$2.50 in Totonto, are too in

I have twice commented on the The Government has now offered hewildering Positic Copper off or \$4.4.3m in a brief 338-word judy which has been my telephone ment.

an ex gratia payment of a patry \$A4.5m in a brief 328word judy ment.

And this award has actually been accompanied by a statement from Natural Resources Minister Mr. Doug Anthony that the Government realises the "great importance of maintaining Australia's reputation as a secure avenue for investment," a sentiment that has prompted some hallow laughter in international mining circles.

In fact, Mr. Anthony himself has appeared to admit the Government's guilty conscience by the ling a party meeting that it would not again make use of usimport control powers to block a mineral development because of environmental objections.

There is no doubt what the

FORTNIGHT ago I was writing done to us and our Australian sold for blending purposes Paging

Corporation in partnership with mental opposition that they are east to mineral interests where Australia's Murphyores was per-encountering. already include wolffam; mining in

Whether or not these reasons mere theabite. Surely the vious market relationalize notween were adequate is open to Australian Government must be a Pacific Corner Mines and Pacific

Oge syspects a mixture or but! been mishing into PCM

mineral develonment accase of the PC cantal that it does not already own.

There is no doubt what the VS mether of these things came the proposition of the partnership thinks about the affair. Diffing the acquisition is being affected that the US Treasury withinks about the affair. Diffing the Australian commany. That the US Treasury with the Australian commany. That the US Treasury with the proposition without fair compensation without fair compensation.

But it is Pacific Copper which is remember that in the producers that in the producers.

having coal miner Barix for S.A.m., remember that in the producer having coal miner Barix for SA4m.

He is certainly not prepared to (254m.) of which \$A155m is in the matter drop, proposing to task and the rest in royalties take "whatever actions are avail.

Barix operates the Great Greta at least part of the iniciser profits able to us to protect our shareholders' interest and to Humer River Valley region. It of the year, with some issues remedy the injustice that has been produces steaming coal currently more than doubling in price

registered.

be complete and only registered. Discussions for the merger chose

registered.

establish far stricter rules than Maybe I have got it wrong. But
The council is to consist of 17 the ones now promulgated. As there does seem to be a deal of
members and at this stage most it is, the new Act could perhaps over-optimistic euphoria in the

registered will elect 12 members broking organisations continuing in prolection and insurers to serve on the council, their separate ways.

The other five council members A fortnight ago, Alan Teale, terms, solving problems and are to be nominated by the secretary of BIBA announced assisting in the development of Secretary for Trade and must in that proposals for the merger of new forms of protection.

At this stage, the sceptic might be forgiven for thinking that

and a representative of consumer far advanced.

BIBA comprises the Corporadespite their newly ordered to Despite the speed of legislative tion of Insurance Brokers, the clothes with their by appoint fruition, expectation is that the Association of Insurance ment labels, the brokers are new Act will not be fully opera- Brokers, the Federation of Insurance likely only once again to prove

other intermediaties.

It will not produce brokers of Had they long delayed, there embracing at one end the intermediation.

An Insurance Brokers' Register state of the Department of Trade and insurance broker can at hest not lished, to register suitable from the EEC.

applicants and to supervise their are tiveties once they are directives could have a med to divorce in-bount.

Not being a broker, it does each to me that an association.

Not being a broker, it does each to me that an association of the other the high street motor insurance broker can at hest no an uneasy marriage and at worst applicants and to supervise their directives could have a med to divorce in-bount.

Presistered.

will come from the British In-form a pattern for future EEC upper echelons surance Brokers' Association development. The proof of the pudding is in which is the umbrella association. If in two years' time a registered middle-man (be he broker, conbroking associations.

The proof of the pudding is in covering the four main insurance tered broker is to be a registered middle-man (be he broker, conbroking associations.

The proof of the pudding is in covering the four main insurance tered broker is to be a registered sultant, call him what you like. But once the register it set up, broker, there is theoretically not lies in the quality and efficiency those brokers who are then much sense in the existing of the service he provides bring registered will elect 12 members broking organisations continuing in policy-holders and insurers to serve on the council.

The registered ways.

tive for some two years. By that ance Brokers and Lloyds' Insurthe correctness of the statement time the registration process will ance Brokers' Association. plus Ca change plus Ca mome

CONTRIBUTION OF PURCHASING AND SUPPLY TO BETTER ECONOMIC PERFORMANCE

In his address at the opening of the Annual Conference of the Institute of Purchasing and Supply at Maidenhead last Friday, the newly elected President, Tom Critchley, emphasised the massive contribution which modern, effective Purchasing and Supply Management can make hetter economic perform

esponsible for a very large roportion of purchasing idgets in both the public id private sectors of the onomy. Together they spend out 175 billion annually on oods and services and, by the ery nature of their work. tercise a significant influence n the management of the conomy. "It is therefore ital," said Mr. Critchley. that the institute should strive continually to raise professional standards to ensure that members—both young and old—are fully equipped to respond to the changing needs of the economy and of

Society as a whole. "Every purchasing division has an impact on jobs in the United Kingdom and on the balance of payments and, while our members do not want to buy abroad, they have found in recent years more and more compelling reasons



Institute of Purchasing and Supply

for doing so. Recent NEDU studies have emphasised the increasing flow of imported manufactured and semi-manufactured goods and the urgent need to reverse this trend. The Institute, as part of its contribution to improved economic performance, is embarking on a determined campaign to improve linison between buyers and U.K. suppliers with the sim of identifying specific reasons for purchases

from abroad with a view to belping our manufacturers to of the home market which they have lost in recent The Institute has much to offer and we shall harness the

skills, experience and know-ledge of our members for the public good. We seek to paricipate more extensively and effectively in public life and pledge our fullest co-operation to Government, to national bodies such as NEDO, to sister professional bodies and to any other organisations which ask for our assistance in the national interest. We shall press for prester

corporate recognition of the Purchasing and Supply func-tion and will aim to ensure that in due course all positions of responsibility in our fields of activity in both the public and private sectors are held by properly qualified professional people. We do not claim to have a monopoly of integrity but we believe that with their professional education, training, practical experience and sense of ethics (now reinforced by the Institute's Ethical Coder our members are well equipped to cope with the dangers and temptations of the Society in which we have to conduct our business affairs

A FINANCIAL TIMES SURVEY



October 20 1977

To coincide with the British Phonographic Industry's

The Financial Times is planning to publish a survey on 100 Years of Recorded Sound. The main headings of the provisional editorial synopsis are set out below.

INTRODUCTION Impact of recorded sound and later broadcasting on social, political and cultural life throughout the world: development and uses of sound reproduction.

THE GRAMOPHONE. Development of the gramophone during the past 100 years: the main

THE RECORD Development of the record: technical problems overcome and the present state

THE RECORD INDUSTRY · Fierce completition within British record business: an examination of the rivairy between companies.

TAPE Domination of cassettes in popular tape market in Britain: argument within the industry over standards and acceptance by hi-fi purists: roles of reel-to-reel and cartridge systems.

EQUIPMENT A view of the market place: record decks and ancillary equipment: tape decks: amplifiers: speakers: music centres.

RECORDED SOUND IN EDUCATION The use of recorded sound for teaching languages and other subjects: its advantages and drawbacks.

THE SOUND RECORDING STUDIOS Recording technology has come a long way in 100 years: examination of the sound recording studios of the U.K. and the market within which they operate.

QUADROPHONICS A "state of the art" analysis of developments. With rival systems competing for public attention, broadcasters are beginning to enter the field with their own ideas.

RECORDED MUSIC AND MUSICIANS The help or hindrance to musicians of the development of recorded sound: the artistic implications of having a

NEW ISSUE

Bache Halsey Stuart Shields

Hornblower, Weeks, Noyes & Trask

SoGen-Swiss International Corporation

Paine, Webber, Jackson & Curtis

Arnhold and S. Bleichroeder, Inc.

Dillon, Read & Co. Inc.

Wertheim & Co., Inc.

Adams & Peck

To be published on

'Britannia Awards'

wide range of interpretations and performances available to consider: the employment implications of high quality recorded sound being available as an alternative to the concert platform and dance hall.

RADIO Dependence on recorded sound: use of recording facilities in various countries: control of the amount of recorded music and the differing broadcasting moods produced.

RADIO IN BRITAIN After Annan, broadcasters and the public are paying close attention to the future of radio: development and likely future trends. RECORD SHOWS The Top Twenty and playlists: the programming decisions and the record industry's views of the present system.

RADIO EQUIPMENT The radio market in commercial terms and an assessment of the type of equipment available today.

BACKGROUND MUSIC The usefulness and acceptability of recorded music in working and leisure settings: the strengths and weaknesses: the current state of the market.

DISCOTHEQUES Professional operators, running several centres, now beginning to emerge: an examination of the money and management in this

THE FUTURE The threat to sound as an independent sensory source with the rapid development of audio-visual systems, including cassettes/discs, Teletext, Viewdata and holography.

The proposed publication date is October 20 1977. Copy date is October 6 1977.

For further information of the editorial synopsis and of advertising rates contact: Suzanne Ralph, Financial Times Bracken House 10 Cannon Street London EC4P 4BY.

Tel: 01-248 8000 Ext. 201 Telex: 885033 FINTIM G

All of these securities having been sold, this announcement appears as a matter of record only.

\$100,000,000

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Salomon Brothers

UBS-DB Corporation

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Kuhn Loeb & Co.

FINANCIAL TIMES EUROPE'S BUSINESS NEWSPAPER

The content and publication dates of Surveys in the Financial Times are subject to change at the discretion of the Editor.

BIDS AND DEALS

Complaints over trust situation

development and investment)—Resulti for sear to March 25, reported August 34

facilities and broaden customer buse. 4. Savile Row. W., October 20, 3 p.m. .

Board view the remainder of 1977 with F. GOPSON COMPANY (beating equip-cautious optimism.

ALBERT FISHER GROUP (fruit and regardle wholesalers and commercial (213,689) before use 28,451, 1581,174) and vehicle sellers and repairers—Results intorties 28,029 (25,770) leaving 21, 1977. reported (28,485). Dividend per 39 state 2,7439 September 2, 1977. Group fixed assets (18,670) list, costing 215,843 (214,003). Board Tiew the continue.

ALBERT FISHER GRBUP (fruit and vegetable wholesalers and commercial velicle sellers and repairers)—Results for year to April 36, 1977 1161.88 (1131.68) before ux 284.513 (281.74) and minorities 86.09 (125.76) leaving 71.38 (125.88) (125.77) leaving 11.38 (125.88) leaving 125.89 (125. 461.283 998 as at August 31. 1974. Net agent value net that 1.9 90 (32 2n). ARDEM COBDEN AND NORFOLK HOTELS—Turnover £684.401 (5336.661. for six months to June 25. 1977 Depreciation £13.000 (£29.600. before tax £23.090 (£21.000). Chairman says bedroom lettings were only sughtly no but present indications are that in soite of uncertain trading continue, this improvement should continue turing second balf. at 12.38 p.m

G. T. JAPAN INVESTMENT TRUST—
Results for year to June 30, 1977 already
known Investments III.15m. (18.32m.)
and not current assets 11.5m. (11.67m.).
Lequidity increased by 3986,721 (2002.77).
Berry Trust Company holds 7.5 per
ent. of the equity. Meeting, 16,
finishery Circus, EC. October 25, at 1000.
GEDONG INVESTMENTS — Income
before tax 544,822 (12.143) for six mostles
to April 38, 1977, after oxpenses (13.54)
(12.007). Tax 228,700 (11.540h. Imertin
0.33p. (0.2250) per 10p. share already
announced.

i. Inits improvement seems to be in the international tension of the international tension in the international tension in the international i

September 30, 1977

Goldman, Sachs & Co.

Warburg Paribas Becker

Dean Witter & Co.

Smith Barney, Harris Upham & Co.

L. F. Rothschild, Unterberg, Towbin

Lazard Frères & Co.

CEEVOR TIN MINES Results on riously announced. Net current asset 1785.926 (1781-1885). Pixed assets \$1.04m 57m.). Meeting, Penzance, Cornwal ther 18, 19,15 n.m. October 18, 12,15 n.m. GENERAL AND COMMERCIAL IN-VESTMENT TRUST—Gross revenue for half year to August 31, 1977, C341,808 (CSS.283), not carridges 100,806 (£138.508), After all charges including tax of US.599 (CM.102), earthess per 25p share 3.12p (C.55p), laterim 2.0p (L.75p) net. Last year's total 4.55p.

GIDDING AND LEWIS-PRASER—
Results for second half of 1977 should be about outsit to the £425,322 for the first half of Fear.

HARTLEY INDUSTRIAL TRUST—

results for year to March 31, 1977, re-lorted September 7 Fixed assets £1.87m. £1 44m.), net current liabilities £191,913 (EM.63) net current assets). Company has close status. Liquidity decreased by £100.37 (£46.25) increases. As at March 31 Honeytree Trading Company held 76.35 per cent. of the equity. Meeting, Macchester. October 17 at noon.

IBSTOCK SUILDING PRODUCTS—Turn-over half year to June 32. 187. 718.29 693. over half year to June 30, 1977, £18,797,023 £7,839,508). Pre-lax profit £1,404,997 £1,596,838). Tax £730,138 (£738,198), Com-ITI-003.060. Pre-lax profit \$1.404.097

ITI-308.0331. TAX ETSO.130 IETSO.180. Company is a subardiary of fusions. Johnson

LONDON PAVILION—Pre-tax profit for

ITI-308.0331. TAX ETSO.130 IETSO.130 after

Common Pavilion exterior 221.760 (DID) after

Cleaning and restoration of London

Pavilion exterior 221.760 (DID). After

Credit Extra
incompany extra
for feath extra
for f

improvements in company is raining in immediate future. Meeting, Rerminds. October 34.

MELSON DAVID — Printers have informed the company that they will be unable to circulate the annual report before. September 39. It is beped that circulation will be made during the week commencing October 3. The ACM date will be announced as soon as the Board is aware of the report release date. MORTH BRITISH CANADIAN INVESTMENT COMPANY—Total Income \$130.774 (1514)194 for six modules to August 31, 1977, before interest \$22.219 (221, 323), management expenses \$2,127 (23, 305) and tax \$44.998 (237, 286). Earnings per 25p date 1.30 (1.0) and not asser value between \$44.998 (237, 286). Earnings per 25p date 1.30 (1.0) and not asser value between \$40.000 (1.0) and 100 asser value \$40.000 (1.0) as

ANGLORO, Tax all feame). No dividend (same).

RORTHERN INDUSTRIAL IMPROVE-MENT TRUST—Profit for vear to March II. 1977. E83-715 (1845.32): after tax £29,18° (£24,64). Pinal £279 (£239) net per fit feare making £29 (£239). Barbings per share 4.69 (£379). Realised and unrealised profits and losses on investments pa 198 (£118 754). (after to ceneral reserve MORTHERN INSIM AND SCOTTSMINVESTMENT TRUST—First distribution will be gald as soon as company's tax ilabilities are settled.

PMA MOLDINGS durniture makers' tax ilabilities are settled.

PMA MOLDINGS durniture makers' tax ilabilities for year to March 31. 1977. reported August 28. Groun fixed assets fi 29m. (same). Current assets £2.29m. (£1.56m.). current liabilities £2.59m. (£2.48m.). Not Dupid inche decreased £2.59m. (£2.48m.). Not Dupid inche decreased £2.59m. (£2.56m.). Keyerr Uliment holds 9.4 per cent. of the squiry. Alcoring. 14 Warwick Street. W. October 21 at 1000.

noon
RIVOLI CINEMAS—Profit, year in
April 5, 1977, 63-923 (651.41) subject to
tax 621-634 (619.889). Dividend 15 ne4p
1(5) 1773p.
UNITED CAPITALS (NVESTMENT
TRUST—Gross revenue 635.335 (681.336)
for half-year to fune 30, 1977. Rreak-up
tailer approximately 26.35 (22.5pt. per
share. inferim 4.4153p (6.373p) net.

Stocherobers specialising in the burn more or larger irransies to concentrate on its presentation of the control of the contro

wiggins group Construction • Property • Engineering

1977 1976 Results to 31st March ٤ 15.4m 13.4m. Turnover 240,581 455% 374,145 Pre-tax profit 1.542lp 1.35p Total dividend

★ Group has continued in good health and good heart Will use every endeavour to ensure that this is main-

* Contract work has made a greater contribution to

Diversifications have made good progress with a useful profit from motor interests. Have joined in or equal basis in establishing a fish farm on the Rivet Test, under Wessex Trout Farms Limited.

* Always looking for ways to improve profitability and

Have an adequate workload and advising on financia has expanded the services we offer in the design and build field.

C. C. Wiggins, Chalman

\$A72,104,734

Wiggins Construct Limited, 57 Hart Read, ... -Thundersley, Benfleet; Essex SS7 3PD

This advertisement is issued in compliance with the requirements of the Council of The Stock Electrongs in London, it does not constitute and invitation to the public to subscribe for on purchase any shares.

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GROUP LIMITED (Incorporated with limited liability in the State of Victoria, Australia under the Victorian

Companies Act (961) Share Capital

Authorised

\$A100,000,000

Shares of \$A1 each

The Council of The Stock Exchange in London, the member exchanges of the Australian Associated Stock Evchanges and the Stock Exchange Association of New Zealand have granted listings for all the issued shares of SA1 each of Australia and New Zealand Banking Group Limited ("the Bank."), which shares have been substituted for the same number of shares of sAI each of A.N.Z. Group Holdings Limited pursuant to the Scheme of Arrangement dated 26th August. 1977, which became exective on 30th September, 1977. Particulars. of the Bank have been circulated by Extel Statistical Services Limited and copies may be obtained during usual business hours on any weekday (Saturda, s and public holidays excluded) up to and including

> Australia and New Zealand Banking Group Limited, 71 Cornhill, London EC3V 3PR.

12 Tokenhouse Yard, London EC2R 7AN. Hoare Govett Limited

Atlas House, I King Street, London EC2V 8DU.

Cazenove & Co.,

17th October, 1977 from:--

R. Nivison & Co., 25 Austin Friars, London EC2N 216.

lottober in 1923

MERNATIO

F. S. RATCLIFFE

Extracts from the Chairman's Statement as the Annual General Meeting in Rochdale on 30th September, 1977 I report with pleasure on a more successful year than the last year, Group Turnover being £1,473,688 compared with £1.383,667 in 1976.
Group profit before taxation amounts to £176,163 Group profit before taxation amounts to £176,163 compared with £97,669 last year.

Your Board recommends the payment of the maximum permitted dividend of 3.70p per share, making a total for the year of 4.70p (1976 2p per share).

Pre-tax profit of Arthur Lord & Sons Ltd. was £52,705 compared with £53,803 in 1976. Our thanks are due to the directors for such a satisfactory resents in difficult times.

result in difficult times.

Our forward order book is very satisfactory and we are having to prepare for increased production, which will necessitate the purchase of additional

Crawford Spring Works: Norman Road, Rochdale. Tel: Rochdale 40415.

Wood, Struthers & Winthrop Inc. Shearson Hayden Stone Inc. Weeden & Co. Alex. Brown & Sons Cazenove Incorporated Robert Fleming Kleinwort, Benson Moseley, Hallgarten & Estabrook Inc. Oppenheimer & Co., Inc. R. W. Pressprich & Co. Scandinavian Securities Corporation New Court Securities Corporation Tucker, Anthony & R. L. Day, Inc. Wood Gundy Incorporated A. E. Ames & Co. Thomson McKinnon Securities Inc. William Blair & Company J. C. Bradford & Co. Burns Fry and Timmins Inc. Bateman Eichler, Hill Richards Growell, Weedon & Co. Dain, Kalman & Quail Daiwa Securities America Inc. Dominion Securities Inc. Fahnestock & Co. First of Michigan Corporation Loewi & Co. McDonald & Company The Nikko Securities Co. Prescott, Ball & Turben Pitfield, Mackay & Co., Inc. Piper, Jaffray & Hopwood Rauscher Pierce Securities Corporation The Robinson-Humphrey Company, Inc. Rotan Mosle Inc. Shuman, Agnew & Co., Inc. Stern Brothers & Co. Wheat, First Securities, Inc. Yamaichi International (America), Inc. Ferris & Company Freeman Securities Company, Inc. Craigie Incorporated Parker/Hunter Janney Montgomery Scott Inc. Lepercq, de Neuflize & Co. Investment Corporation of Virginia Burton J. Vincent, Chesley & Co. Thomas & Company, Inc. Stone & Youngberg

lation Fleet Street pay claim talks to-day

ET OUR LABOUR CORRESPONDENT

ign to restore the cuts in effects of the cuts.

The campaign will highlight

PRESELECTION

LEATHERGOODS

SELE-PEL SEASONAL

Toolmakers

differentials'

SOME OF the biggest losses of

pay differentials among skilled

engineering workers in recent

years have been suffered by tool-

worst hit

Labour Correspondent

by pay

By Alan Pike.

The raising of low pay had long been a major objective of both unions and governments and this implied some narrow.

Mr. Neville Davies, managing of the control of the con

John Cuckney new chairman of PLA

Mr. John Cuckney has become following: appointments to the chairman of the PORT OF Boards of its subsidiary and LONDON AUTHORITY, after the associated companies: Mr. M. A. Mr. Cuckney continues as senior director of Fusible interlinings crown agent and chairman of the and Mr. P. A. Martin joins the crown agents for overseas zovern-Brard. Mr. R. J. Gowlland con-

STREET. Manchester clarify the meaning of this makers, according to a report motion when it meets to-day.

In the position of pay claims that having looked at the national newspaper national situation, "the executive."

In the position of Journa the position of Journa the felt the best it could do was proposed to the payments of the street that the sex of the meaning of this makers, according to a report published to-day by Political and Economic Planning.

But in the motor industry been managing director of the bearings division of ASSOCIATED ENGINEERING Markey and Mr. C. E. Turner join of ASSOCIATED Engineering director of Glacier the Board of Burt Marshall, the motor industry after an uncertain national situation, "the executive."

In the motor industry been managing director of Glacier the Board of Burt Marshall, tooloman, the major U.K. Lumsden, while Mr. A. R. Woolley member of the bearings division the Board of Burt Marshall, the Board of Burt Marshall, member of the bearings division tooloman, the member of the bearings division the Board of Burt Marshall, member of the bearings division tooloman, while Mr. A. R. Woolley member of the bearings division the Board of Burt Marshall, member of the bearings division tooloman, while Mr. A. R. Woolley member of the bearings division the Board of Burt Marshall, member of the bearings division tooloman, while Mr. A. R. Woolley and Mr. G. T. Dyson. Mr. L. L. Marshall, been managing director of the bearings division of ASSOCIATED ENGINEERING GROUP. Mr. Everitt has been and cowers director of the bearings division of ASSOCIATED ENGINEERING GROUP. Mr. G. T. Dyson. Mr. L. L. Marshall, the motor industry been managing director of GROUP. Mr. Everitt. Who has Mackay and Mr. G. T. Dyson. Mr. L. L. Marshall, the motor industry been managing director of the bearings division of ASSOCIATED ENGINEERING GROUP. Mr. G. T. Dyson. Mr. L. L. Marshall, the motor industry been managing director of the bearings division of the bearings division of the bearings division. Mr. G. T. Dys

the manional newspaper after an uncertain splot, on the 12-month rate by, twe felt the best it could go was inferentials is shown to be no differentials in shown to be not differentials in shown to be not shown the notices which the report concludes the report of the shown the notices which the report concludes the report of the shown the notices which the report concludes the report of the shown that the long of the shown that

ments and administrations.
See Men and Matters, Page 12 Mr. D. T. Leigh has been appointed a director of Melland Mr. W. H. Everitt has been and Coward and Mr. C. Smith be-

هلذا من الأصل

Kershaw, and Mr. S. B. Marley. ment team that launched to TRANSQUIP INTERNATIONAL Mr. Neville Davies, managing TRAILERS have been appointed and this implied some narrow Mr. Neville Davies, managing FRAILERS have been appointed in of differentials. "Any company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director, has been appointed chair to the company's Board of director. Work and technical director. Since a product and technical director and the strength of the other, and the strength of the other, and the strength of the other. They are Mr. Peter England (now a GKN sub-group) in success product. And technical director, has been appointed chair to the company's Board of director, has been appointed chair. They are Mr. Peter England (now a GKN sub-group) in success product. And technical director and the strength of the other and the strength of the streng

BusinessmaniseDia

U.K. TRADE FAIRS AND EXHIBITIONS

Current Frozen Foods and Freezer Festival (cl. Oct. Current Briush Genius Exhibition (cl. Oct. 30) Oct. 4-5 EIA Engineering Exhibition	51
Current British Gentus Exhibition (el. Oct. 30)	
Oct. 6 London Book Fair	
Oct. 10—15 International Mining Exhibition	
Oct. 11-13 Electronic Instrument Show	
Oct. 11-20 International Business Show	
06t, 15—17 Weish hair	
Oct. 15-29 Dod: Courself Exhibition	
Oct. 16-20 James Fashion Fair International	
Oct. 19-30 Daily Express Mojorfair	
Oct. 21-22 TRAFEX 77-Transport Exhibition	
Oct. 25-27 Food Manufacture Exhibition and Conferen	ce
Oct. 26-29 British Fashion Fair	
Oct. 27-Nov. 2 International Woodworking Industries Exhi	bitio
Oct. 30-Nov. 2 International Garden and Leisure Exhibition	(I)

Oct. 31-Nov. 4... Intl. Plant Engineering and Maintenance Extin. Nov. 1-4 Institute of Housing Exhibition and Conference

Earls Court Leicester Royal Lancaster Hotel, W.2 Nat. Exbn. Centre, B'ham. Nat. Exbn. Centre, B'ham Nat. Exbn. Centre, B'haia. Metropole Centre, Brighton

Venue West Centre Hotel, SW 6

Intercontinental Hetel, W.Y.

Nat. Exbn. Centre, Bham.
Bloomshury Centre Hil., Wwi.
Nat. Exbn. Centre, Bham.
Liandrinod Wells

Royal Hortic, Halls, S.W.1.

Battersea, Park. S.W.11

Watford

Olympia

OVERSEAS TRADE FAIRS AND EXHIBITIONS

5—9	Int. Materials Handling & Construction Mach. E-
<u></u> 81—1	EquipAuto 77
10—15	International Maritime Exhibition
	Chemical Shipping, Storage Exhibition and Conf
	Int. Hotel and Catering Equipment Exhibition
	int. Market of Sub-Contracting M.I.D.E.S.T.
20—24	Reisinki International Technical Fair
22-36	Int. Ladies Ready-to-Wear Clothing Exhibition
28-Nov. 9	Tokyo Motor Show
30—Nov. 5	Middle East Construction Exhibition

Rio de Janeiro Hamburg Paris Strashourg Helsinki Paris

BUSINESS AND MANAGEMENT CONFERENCES

British Computer Society: Datatair 77 "The End

Uct.	3	Economic Models: Economic Forecasts for Europe, U.S.A. and Janan
Oct.	5	Association of Surveyors in Civil Engineering: The
		Anatomy of Claims
Oct.	5 —6	European Study Conference: Trude Union Recognition and Collective Burgaining
Oct.	6—7	
Oct.	7	Oyez: Pay in 1978
Oct.	11	British Computer Society: Computers in Finance
	12	
~~~		Savings and the Stock Market to 1982
Úct.	12-13	
	13	
••••	20	Bargaining
Oct.	13-14	Brunel University Employing Graduates
Oct.		Arabian Marktg.: Saudi Arabia & the Gulf States
UCL.		Financial Times, The Banker, Investors Chronicle Guif Air, Gulf Finance
Oct.	17—21	
Oct.	18	Management Training Consultants: Successful Supervision Course
ÜcL	ì9—20	Society for Long Range Planning: Construction

OUR LABOUR CORRESPONDENT

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Development Oct. 31-Nov. 1 ... Lloyds of London Press: Financing International Trade Oct. 31-Nov. 3... Society of Motor Manufacturers and Traders: European Organisation for Quality Control Automotive Seminar

Cunard Int. Hotel, W. 6 30, Old Queen St., S.W.: Cambridge

Kensington Palace Hotel, Wa

Caracas Boyal Lancaster Hotel, W.2 Cate Ruyal, W.1 Carlton Tower Hotel, S.W 1 76, Mark Lane, E.C 3

Royal Garden Hotel, W S Uxbridge Cafe Royal, W.I

Bahrain Bournemouth

Bloomabury Hotel, W.C.:

Rembrandt Hotel, S.W.

Commonwealth Hall, W.C.2 Cavendish Centre, W.1

Purcell Room, S.E.1

Cate Royal, W 1 Harrogate

Cafe Royal, W.1

Hilton Hotel, W.1

### WZER O FINANCIAL DIAKT

gampaign is organised by the "five body-blows" in the Council for Educational past few years when individual re, a pressure group which cuts totalling almost £1,500m. les the main teaching have been made. The week of The following is a record of the principal business and financial The following is a record of the principal business and financial linguorth Merris, Singley 12 whereaster ongagements during the week. The Board meetings are mainly for the purpose of considering dividends and official indications are was and notions. York. 3 not always available whether dividends concerned are interims of settings for the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown below are based mainly on last statement of the sub-divisions shown to sub-divisions shown and other educational action is planned to begin on

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BOARD MEETINGS—
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**COMPANY NOTICES** 

I AISHO MARINE AND FIRE INSURANCE COMPANY LIMITED EUROPEAN OLPOSITARY RECEIPTS

Moisers of EDRs will be able to Claim and est lienent by rodging Council Man, or the EDRs issee and Council Mar. or the Edrus issee and Council Mar. or the Edrus issee and Council Mar. or the Edrus is in the Countier ain Floor and Edrus is in the Edrus is in the Countier ain Floor in the Edrus is in the Edrus in Automotive Depotative or strengthen is a fundamentary of service and application. Form duly considered additional application Forms for this purpose will be able to the Edrus in the Edr

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EUROPEAN DEPUSITARY RECEIPTS

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Pursuant to an announcement made in the August 1970 as not Marine and State August 1970 as not made and state and stat

THE ASSOCIATED PORTLAND COMENT MANUFACTURERS LIMITED NOTES TO HALDERS OF BEARER WARRANTS

Portland House
Stac Place
London. SW:E 58J,
3rd October 1977,

CROSSLEY BUILDING PRODUCTS

25P ORDINARY SMARES
WE HEREBY GIVE NOTICE that the share Iransfer Books and Régister 21 the Company will be Clobed room furbaby 11th October 1977 to Sunday 15th October 1977 tooth days inclusive to the preparation of Sherend warrants Dreparation of the cend warrage By Order of the Boars G H M G188 Secretary.

**PUBLIC NOTICES** 

1475IDE REGIONAL COUNCIL 11500.000 bills saied 79977 27.54ths der ont, on 781277 ag atlons were 13.5m., total busicanging

DIAMONDS FOR INVESTMENT of prices from 1 1st Occuber 1977. Petershim touse, 57a Halton Garden, endon EC1N 850 Tel: 01-805 E045

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### PERSONAL

ACHTUNG MOSQUITO ( "I turn green and sellow with envy when I see the Maganto. The British mock logether a beautiful wooden girrralt that every prano factors over there is building. There is nothing the British do not "it."—Risk hourshall Hermann Goerne. 130,000 arginally needed to home Magandiem Maganticy from ravages of weather Picase sent donations to John Con-nincham, Mosquito Arrerat: Museum Saledary Ball St. Albata, Heats (Reg. Charts, 2014), properts annu-ally in R.A.F. Renevolent Chief.)

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Sec. 15.

Milan

at 2 p.m.

21/24 october 1977

small leather items

Pavillon 30 in the Milan Fair Grounds The seasonal preview of Italian bags,

handbags, bags for men, travel bags,

for buyers from all over the world. The event is organized by Mipel S.p.A.

Admission restricted to buyers only. On October 24 the event will close

For information: Mipel S.p.A.

in October in Milan the

INTERNATIONAL

OURIST EXCHANGE

then M Equipment for Tourist and Catering Trade.

To spincide with EXPO/TURISMO—International 13-10 October, at Milan Fair—will also be held, at the Provinces, the INTERNATIONAL TOURIST EXCHANGE

The Exchange will operate through a system of

Tes by the Italian Ministry of Tourism and Entertain-

Sectal electronic equipment will continuously

the tourist accommodation market.

For information: Mipel 3.5.4. 43. Viale Beatrice d'Este - 20122 Milano Iltaly) - Tel. (02) 540181 - 584522

he Exchange Secretariat will be open permanently stancy, proposals, specific meetings, and business

Tange cards containing information both for The Exchange Secretarias will arrange to display bookings, while the ones not immediately matched in diagrams and information bulletins. taph day, all remaining market requirements will be combuters, kept up to date, and reported to the hat Tourist Evenange, which represents an ideal of businessmen in tourism and real estate or in from Information Secure Invernational Touris 17:49. Corto Venezia Tel: 7753 Ext 320.

Crédit Suisse

PARIS:

U.E. I.T. Alcatel

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### OVERSEAS MARKETS

**EUROBONDS** 

BY MARY CAMPBELL

# Furore over Citicorp pricing

points bid below the offering members are showing a loss of a price—the three year notes were quarter point more, quoted on Friday at 98/5! and It is of course possible that the four year notes at 971/5!. A the managers have a large short Long tel two-point fall in the after-market position and will be able to push to means unheard of in the price up significantly again the Eurobond market generally; in the next few weeks without but if one takes into account the penalising their own shareshort maturity and low fees on holders. But in the short-term this issue then it must rank as the open performance raises a

the bonds at the offering price way.

THE PAVOURABLE U.S. money is showing a book loss of two supply figures which came out points; more important if he had been put forward by various deterioration in market conditions changed in the U.S. dollar secondary market. Prices were mostly deem of the offering period, in the U.S. dollar secondary market period; the could bave bought the three periods again, where changed, but activity was not great.

The lack of interest elsewhere doubless exacerbated the furor set and to four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 7.67 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent. Instead of 6.75 per cent and the four year notes to yield 7.52 per cent. Instead of 6.75 per cent. In

this issue then it must rank as the poor performance raises a close to a record for weakness whole host of questions. The in after-market trading.

Thus an investor who bought tion for pricing the issue in this the body at the effective most investor to the effective most investor.

Cedel .....

Euroclear .....

	BONDTRA	DE INDEX	 19	77	
r t <i>erm .</i> erm tible	Sept. 30 102.41 95.86 109.16	Sept. 23 102.57 96.00 109.16	High 103.09 96.86 111.22	Low 102.39 94.78 107.62	
	EUROBONT	TURNOVE	R	_	
	(nominal	value Sm.)		•	

U.S. \$ Bonds Other Bonds Last Previous Previous Last week 139.8 week 149.7 550.6 1,356.0

future of the market. For, to be able to price an issue in such a way that everyone who bought it.

JOHANNESBURG

CURRENT EUROBOND ISSUES Maturity years U.S. DOLLARS 8] ----†Keppel Shipyard †Banque Nationals 1984 d'Algérie 1982 11.66 Western Mining 1992. Toray Industries (g'teed Mitsui) 4.75 1985 CSWW, Citicorp Intl. †Citicorp · Bullet 1**780**. Bullet ‡Citicorp Morgan Stanley Morg. Gren. (Asia), Bullet ††Société Générale 1987 National Bank of Kuwait Financiera Azucaren -1982 and others 13 Banque Exterio d'Algérie Petrobraz DGbank, BAJ WestLB 1984 *Norges Kommu Philippines WestLB Bullet CANADIAN DOLLARS

way that everyone who bought it, traders and investors alike, is showing a loss by almost any standard (though one should effect in more acute form the in the longer term. This is parti-years for City Investing for point out that those who choose same questions which have been cutarily the case given increasing Blyth Eastman Dillon, \$20m., to hold the bonds against over raised many times before the competition for investors funds five years (with a bonded night or seven-day money are extent of which the mutual from other markets and the option to extend for a further showing a profit on the yield) back-scratching and power likelihood of a period of relative five) for Panama from F begs many questions about the politics which is the basis of the weakness ahead.

Chicago and the long-most technicalities of the underwriting way the primary market operates. Issues likely to be amounced ENEL financing from S. and selling system. These are in is good for the Eurobond market this week include \$25m. for 12 Warburg.

Au t. S

AUSTRALIA .

ACMIL (20 cent)

### Indices

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Basis of undex changed from August 24.

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*ladustrisis,							113.9e 13.11	(23,9)	134.54	3.52 (30m,32)
†Composite	96.53	95.86	95.31	85.24	85.58	95.84	107.00	95,04		. 4,48
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	Sept.	Sept. 28	Sept. S	Sept. Sept. 27   26	Sept. 26	Sept.	Sept	23	High	f,ne	High	[4:40
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			:sept	. 28	; Se	pt. 21	Sept.	16   Y	ear ago o	рреух.;		
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Ired. P/E Bat	40		9,4	13	-	.40	9.56	<b>-</b>	11.97	1		
4 6									5 91			

		<del></del>	<del></del> ,	GERMANT		
Y S. E. ALL COMM		Rises and Falls	Sept. 30	Sept. 30	Prices   + or   Dm.   -	Div. Yid.
901. Sept., Sept., Sept., Sept., 521 27 28 57 46 52 16 52 16	Hugh Low	Jasues Traded		A.K.G. Allianz Versich BMW BASF Bayer	223.8 +0.1 148.7 0.2	#16 #10 20 4.5 17 5.7
NTREAL	Sept. Sept. Sep	ot Sept 197	7	Bayer, Hypo Bayer, Vereinshi Cibalat, Ked, wrts Commerciank Conti Gummi Daimler Benz	279 +1 289.5 +0.5 212 203	20 2.9 18 4.4 19 2.4
Combined	185.27 186.20 184 175.18 172.78 171	.75 184.95 198.47 (14/5) . .88 171.86 187.86 (19/1)	121.47 (6244)	Dennag Dentache Bank Dresiner Bank	253 +1 147 292.5 +2.5 232 -0.2	20 4.3
BONTO Companie HANNESBURG	199 7 168 1 16	18.0 186.2 182.7 (30/9)	189.4 (24.to)	Dyckerboll Zemt. Gutebollnung Hapug Lloyd Harpener	189 - 1.5 123.5 + 1.5 200   + 2.5	12 4.8 5 4.5
		30.7; 199.4; 205.9 (50/8)   Sept.   Pre- 30   vicus	165:1 2(2/4) 1977 1977 High   Low	Hosekst	138 -185 -1.5	16 5.9 4 4.5 10 3.6 9 5.6
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lgium (b) 94.95 94. nmark (a) 191.79 101.	69 99 12 92.61	Switer'd (r. 314.2312.8	(2015)   12106)     2011   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   12106   121	Linde Liperitari Latthanee M.A.N.	1,580—15 112,7, 185 —2	20 1.8 7 3.1 14 3.8
Witch to the	6. 28.4 45.5 (71. (10.5) (6.0) (10.5)	the escept NYSE All Standards and Poors - I 346-1.00s the last-named (a) Sydney All Ord. (1)	0 and Toronto based on 1975):-	Menuesmann Metelige Munchener Ruck Seckermann	237.5 + 1.5 460 + 8 120.5 - 1.0	14 4.5 10 4.2 18 1.9
mgkong(4 417.00 416.	1.6 85.2 15.8 (4.5) (39.9) 43 452.17 416.50 (11.6) (27.7)	(e) Paris Bourse 1961. (f) December, 1953. (g) Amtrial 1970. (h) Hang Semi (k) Milan 2/1/73. (m) T	i) Commercianic esterdam. Indus- e Bank 31/7/64. lokyo New SE	Press ag	258.3 ÷ 0.3 276.5	17 4.7 20 3.8 16 2.5
р <b>ад</b> ти 590.45 <b>39</b> 0.	\$9 75.71 67.25 (5/11 (14/6) 95 (396.93 364.70 (23-9) (7-4)	4/1/68, 'n) Straits Times I SE 31/12/78. (q) Stockho 1/1/38. (r) Swiss Bank (p) Upavallable. : Eschaft	966. (p) Madrid olm Industrials Corp. SV12/68. ing bonds. * 490	Thysien Hutte Varta VERAVest.Bk:	119.5 182.5 - 0.5 118.6 - 0.3	14 5.9 14 3.8 18 5.0
ngapore:« 2:0.81 2:00.	26 Sec.02134326 (294) 1 (3-5)	Industrials. 1 409 fods Finance and 20 Transport	t. (c) Closed.	Volkswagen	192 -12	10 2.6

1	Sept. 30	·Dm.			3	Se
1	A.K.G	85.1	-0.5			ŀ
1	Attienz Versien	444.0	-0.0	are 1	2.0	
1	BMM	222.8	+0.1		4.5	E
1	BASP	148.7	+0.1	17	5.7	
ı	Bayer. Hypo	279		16.		<u> 8</u> 2
1	Bayer Vereinshi		+0.5	20	3.6	2
Ì.	Chinalist Northwest	212			- I	ı.
1	Commerchank	203		18	4.4	SŁ
٠,	Court Gummi	770.2	-0.8		2.4	Sol
_	Daimler Benz	347.6   253	+1	12	3.6	Go
_	Demag	147		14.	4.7	H
1	Deutsche Bank	. 292.5		20	.3.4	BE
4	Drewiner Bank	232	-0.2	20	4.5	E
	Dyckerboff Zemt.	148	-2 <u>.</u>	_6	2.0	P
•	Guteholimnag		- T-2	14	3.7	Pr
	Hapag Lloyd		i ÷ 1.5 i ÷ 2.5	12	4.5	Sz
	Harpener			16.	5.9	W
Į	Hoe-ch	- 24		4	4.5	W
	Horten	138 185		.10	3.6	w
	Kall und Setz	·-1.85	-1.5	1 9.	3.6	W
-	Karattidt	372	-0.5 -2.0	<b>y20</b>	2.7	<b>}</b> .
	Esufoot	244.5	'2,C,  0.8	20	4.1	ł
	Klockner DM-100	184.5		12	3.6	A
٠.	E 1200	; 10L5	_1.0	<b></b> .	<del>-</del>	A
	Linde Lipecthan Latthane	245		16	7.3	[₽
:	Liverbrain	1,560	<b>—15</b> .	20	1.2	2
ķ	LAUTTHE	112,7		7	3.1	De Es
Ĭ,	N.A.N	: 185	<u>,2                                   </u>	14	3.8	Fe
ò	Manuesmann	.] • 156.5	-1.0 +1.5	14	4.5 4.2	G
ь	Numbrase Prod	. 450 . 460	1+8	18		ᄖ
K	Nacha-		-1.0	l —	_	Ne Pr
į	10	136	-0.5	7	5,1	R
ķ	Rhein West Blett	.) 179.5		. 17	4.7	R
ĺ.	I OCCION INTO MANAGEMENT	. 258.3	÷0.3			Re
Ë	S CACHELLE COMPANY	276.5	1-3E	16.	3.9 3.9	) Şa
d			+2.5	14	5.9	So
ls			-0.5			爿
L D D	VEBA	1186	ı_Ω.ā	1.12	5.0	100
7U 01	Verein & West Bk	. <b>158</b> .	+0.5	20	5.7	١.
•	Volkswagen	192	<u>'-1.2</u>	10	2.6	ءَ ا
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L Reiche 14-30 - +0-31	Assoc. Con. industries	0.04
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INDUSTRIALS	Denien Kuther (51) 11.0	- 0.02
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e Beers Industrial 18.59	Harris 40.0	
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THE CONTRACT CONTRACT AND A PERSON	'   Jeonines Indimiries   Ti-U	1 annes i M
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right Cars and Natil Mig. 3.56. +0.1	Uli Search #0.00	B     -
Intec 1.12		1   0.01
	Keckitt & Colmen     †5.D	
	H. C. Sieigh 10.7 Southland Wining 10.50 Footh (\$1) 11.90	1 +0.05 G
AMSTERDAM	Northless Minha +0 30	.,
	Footh (5) 1190	+0.01 %
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	Western Mining (50 cents) 11.5	-0.01 g
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keo (F) 201 - 25.5 +0.1   - 1 -	4 · · · · · · · · · · · · · · · · · · ·	
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NEW	Y YC	ORK	,	High	g77 Low	:
High !	977 Low	Strek	Sept. 30	706g 547g		Cor
5114	59	Abbots Labs	5114	3678 29.		Cros Cros
154 384	101a 281 ₂	Addressograph Letna Life & Com	135 ₄ 361 ₈	<b>385</b> 9	4134	Cno
547g	2112	Air Products	2412 3112	1946	•	" ur
33%   294	261g ⊴31g	Airco,Airco,	24	295g	301 ₂	Pan
5914 3658	411 ₂ 17	Alcendary Ludi.	45 1758	2956 3876 3318	2514	Dee
2214	aluk	Allegheny Power.	2118	7/g		Deli Deli
5078 2334	ამ 1 ₂ 195 ₈	Allied Chemical.	437g 914	304g	19 .	Den
3354	24	Allle Chelmara	27	1778	15!, 271 ₂	Det
591g		Amex	404	1718 5808 1514 524	10.4	Die
371a - 143g -	. 293 ₄	Amerada Hees.	314 91 ₈ 1	5234 47	381 ₉ 321 ₈	:Dig
48	45 lg	A mer, pranus	43 lo	4314	45	Div
471a 4131	37	'Amer. Broadcast., Amer. Can	405 ₃ 39	4224 471 ₈	301a 3724	Dre
2918	ORIL	American Companiel	276	13434	. 1027	Du
25% 41%	251g	Amer. Express.	24 šg 38	13l ₂ . 22	17:4	Dya
5141	, 20 ta	CAMEL DOMEST OF	20-49	939		Les
171g	111g 37g	Amer. Medical	4	853e 455e	\$51s	Far
4714	401a	Amer. Standard	445 ₄ 357g	2114	161g	
361. 361 ₈	29	Amer. Starrs	3012	1974	1454	B. (
bá	6036	Amer.Tel & Tel	6314 ! 174	315g 36	2314 3114	Elti
251 ₆ 1	171e	Ampez	10	4212	35	Line
52 la 30 le	265. 203a	Anchor Hocking.	273a 24ia	39 4	331 <u>2</u> 3	Em 6. V
3213	191g	A ranco acee	2414	. 364	25∞	6. V
235 <u>1</u> 193 ₄	1712.	A.S.A	2134 10	55 45%	29 v,	Eth Ex
			1614	55 401a	471a	Fac
23 ia 37 ia	155e 291 ₃	A street	30	4813	5514	Fed
613	. 5012	Atl. Richfield	53l ₂ 9l ₃	25 % 50	15 g	Fire
12 17:a	154	A100	1441	19 ₅ g	11	Fu. Fle
513 ₄ 397 ₈	. aq≪orig	Avon Products Hait Gas Elect	475a 2714	25 34 lg	. 171g 29	File
2978	214	Bank Amerka Bankers Tr. N.3.	25	4.	. 3359	Flu
414 384a	56   31%	Bankers Tr. N.1.	371g 383g	2712	23 %	F.X
404	2812	Baxter Traveno)	366a 254	47 19	411g	For
28is	231g	Beatrice Ford BeatonDickeusen	304	54 294	4214	Fea
2678	1718	Beil & Howell	185g 371g ·	29 4 30 8	50 81	Fre
51 ₂	361g	Benguer Cons'B'	234	3112 123	264	Fac
397a 2014	183	Black & Decker	195a 164a	!	85g	
295e	1914	Bearing	2454	135a 4031	95g	/G.∕ Gar
36 la	243a 31	Boyse Cascade	26 ta	124	9>5	Ger
5 5 4R	2511	thirg Warner	≱B1s	145a	1010	Ger
361s 554s 111s 153s	878 1078	Borden thing Warner Branch Int Bracen 'A	912 1234	6112	49 78	'lier
. 361s	283	·DLISTON SIZE-****	9418	27 a 353₄	29	,Ger
165 ₁	135g	Brit. Pet. ADR Brockway Glass	16 284e	5458 77	264 65	-ចិន្ត -ចិន្ត្

EM IONK				High		Stock :	30
	1977 Low	Stock	Sept. 30	706g 547g	4438	Corning Glass; CPC lut'n'tional	6534 5478 2719
5114	59	Abbots Labs	5114	5678 ; 29 .	2419 3273	Crace	251a 34
154 384	101a 281a	Addressograph Aetna Life & Com	135 ₄ 364 ₈	46 5859	4134	Crown Zellerbach Commins Engine	42 ¹ 1 15 ¹ 2
547g 55%	26 ig	Air Products	241 ₂ 311 ₂	195g 295g	_	Curt-Wright	2512
294 594	4112	AlcanAluminio	24 45	387g 351g	3012 2514	Dert Industries	364s 261s
565g 2214	17	Allegheny Ludi.	1758 2118	2912 2018	25i2	Del Monte	253 ₁ 566
507g 233 ₄	. 5912	Allied Chemical.	437g 914	304a	194	Dentaly Inter- Detroir Keisen Diamond Shamrk	19%
534 591g	24	Allis Chalmers	27 404	1778 3808	151, 271 ₂	Diamond Shamrk	1634 3038
371a	. 4934	Amerada Hees.	314	1512 5234	105g 381g	Digital Equip	1073 4754
143g 98	. 9 : 451 ₈	Amer. Airline	914 431 ₂ 405 ₃	47 454	421g	Dieney (Waltis Diener Corpu Dow Cheffical	4214
471g 4131	. 5etlg	Amer. Broadcast.	4031 39 2738	42a 471a	37:	Dressel	311 ₈ 43
291 ₈ 255 ₈	251g	Amer. Cyanamid, Amer. Elen Pown	24 38	1343 ₄ 131 ₂	y . g	Dyam Industries	109 '8 '115;
415g 51-1	251a	Amer. Express Amer. Home Prod	38 283s	82 93 ₉	576	East Airlines	1869 53;
17 lg	111g 37g	Amer. Motors	1718 4 445	853e 455a	363 <u>1</u>	Fartman Kudak	611 ₂ . 371 ₈
47 I4	401A 253s	Amer. Nat. Gas	3578 3012	2114 1978	161g	K. G. & G	17 167a
36 la	29 60%	Amer. Stores	5012 6314 1714	315g	2314	Ента	2514 54: ₃
25!a 11!4	171 _e	Amper	10	421 ₂	35	Embart	383 <u>1</u> 3614
52 la 30 l2	203a	Auchor Hocking.	273a   241a	44 364	ă ¯	Engeläard	28
32 (3 2351	. 17lo	A.S.A	2414 2134	55 45%	29.2 29.2	Semark	297a
1934 25:a	. 93. 153a	Asamera Orl	164	455 55 401	4714 21-6	La con	4814 23
571g	291,	Ashtand Oil Atl. Richfield	30 531 ₂	40'a 48'2 25'a	55 ta	Fired one Tite	25 39 16≟a
6134 12 17:a	5012 94 134	Atl, Richfield AVC	91g 1431	25 % 50 19 %	20.9 20.5 11	Fit. Nat. Boston. Flexi. Van	275a 171 ₂
17;a 5134 39;a	4416	Avon Products Hait Gas Elect	4759 2714	1958 24 34 lg	171g 29	Flintkote	17:5 30:4
2978	29/g 214 36	Bank America Bankers Tr. N.1.	25 371a	45	. 35 <i>5</i> 9	Fluor	39
414 385 404	1 36 1 313g 1 281 ₂	Barter Oil	323g 355g	271 ₂ 47	4110	F.M.C Ford Meters	464
40 L 28 is 34 L	231g	Beatries Ford	25% 304	19 54	15 491.	Foretager Mck	1734 45
343 2678 47	171a 361a	Bell & Howell	1858 3718 ·	29 (4 ) 50 %	20	Freeport Mineral.	812 2073 2815
512 597a	183 ₁	Bendix	234 195a	3112 123	26 l4 85g	Fruchauf	814
SOL.	151; 1919		161 ₂ 243 ₄	135a	958	G.A.F	10
35 la 36 la	2439	Boyse Cascade	26 4 32 4	40% 124	321 ₂ 9 ₃₆	Gen. Amer. Inv.	35 10 26 ¹ 1
3348 1118	2514 878	TAILED WALTERS	881a 812	54 145g	104	Can Catala	125
1338 3018	107 ₈	Branift Int Brascen 'A Bristol Myers	1234 54 is		4808	Gen. Electrics	514 514 3519
1651	135g	Brit. Pet. ADR	16 281 ₂	35% 34% 77	29 254	General Villa General Villa General Victors	285e 705a
3576 1714	2638 1178 1853	Brockway Glass Bronawick Bucyrus Erie	204 12 19%	21 la 28 5 ₈	65 1838 231 ₂	Gen. Pub. Cul	2119
27 236	104	Budi	21) ₁ 53 ₈	3514 2918	28% 28%	Gen, Tel. Elect	317 ₃ 225 ₈
=	41	Burilagion Niha	45 695	574	51 ₂	fienescu	414 2678
593g 181g	3418	Campbell Soun Campbell Soun	3614 17	21112	169	Getty Oil	169
0	3273	Canal Bradolph	95g 341 ₂	301 ₂ 331 ₂	. 195g	Googrich B.F	27 2018
15 213	124	Latrier & General	1253 1912	233 ₁ 3469	. 181 ₂ 27 ₇₃	Goodyear Tite	19 2978
59 <b>%</b>	4854 5219	Carter Hawley Caterpiller Tracte CBS	525 ₄	313g 144	217g	Grace W.E Gt Atlan Par Tea	27.5g 9.5g
62 525 173	405g	Coleman Corpn Central & S. W	4212 1614	295 <u>1</u>	193, 13	Grt North Iron	2412 1312
1734 281 _P	1958	· Certainreed	251.	181 _m	11)4	Gult & Western.,	1173 2818
3U 343,	257g. 293,	Cessus Aircraft	30:4	67	543. 573.	Haliburton	59% 39%
47 2014	404 207s	Chemical Bk. NY:	435g 2214	233 <u>.</u> 39:a	1512	Harnischleger	164 381 ₂
421g 634	3578 47	Chessie System	34 54 m	3619	28.8	Heinz H. J	361. 2353
171c 21:4	145a	Chrysler	147g	8656	-	Herriett Packers!	77 îs
21 ₂	15:	Cinc. Milect/th	385g	14 453 ₄	1138	Holiday Inns	1414
4138 54 6219	247a	Cities to ice.		54:54 1.5.54	44	Honecwell	46 4 125c
1619	123a 363g	City investing	133g 40	2958	213 ₁ 275 ₁	Hosp Corp Amer. Houston Nat. Gas-	29 is
80 H	23	Colgate Palm	24.58	174	15ig	Hutton E. F	141 ₂ 24
15 _. 56%	101g	Collins Alkman	3014	27:a	40:	1NA	42 621 ₂
1750 17	73 ₄ 135 ₈		1756 17	78 52	5914 5538	Intend Steel	3512
3934	28	Combustion Eu	3554 21b	1512	L5½ 9¼		1453 914
3014 321e	2838	Combustion Eq.	5O34 .	2854	24514	Intl. Flavour	261 221 ₂
859 37	29tg	Comm. Satolite.	314	3737	28 ig	Intl. Harvester	29 371s
91s 254	2068	Computerscience	21	4358 211 ₂	1716	Intl. Harvester. Intl. Min & Chem- intl. Multifoods Inco	195a 20
25 26%	254	Con. Edmon N.Y., Lonzol Foods	25%	54 09%	, 42%	1971 - 1980	441g 381g
47 254	: 36 , 411p	Correct Nat. Gas.	437# 2414	914	1284 51 ₇	iint, liertifier	714
374 34×	. \$1% 29	Continental Grp., Continental Oil	. 34 % 29 %		. 50	interest	51% 2%
264	154	Louismontal Fels.	80.9	14:1	20 114		3014 12
4914	384	Cooper ladus		394	. 2512	Jim Walter	264
				1			

	MA	TI	ON .		. •			
1	. 1977 High	i Lo <del>=</del>	Stock	Sept.	High 1	Low.	Stoer	Sept. 30
١	381 ₉		Johns Manville	32% 731 ₂ .	437g - 445g	361a	Revion	431s 324
:	77 L 255g	41 la	Johnson Control.	25 <u>%</u>	) 70èg :	6014	Revnoids K.J	6134
i	4912	33 tg 223a	Lor Manufactur g	55 50 la	2614 3638	304	Rockwell Inter	304
!	393,	29 ta	KaiserAlumini'm	314	5113	301 <u>a</u>	Unan e treation	22 lā
į	187 ₆ ' 35	4), 2012	halser Industries halser Steel	41g 225g	61	515g 101g	Royal Dutch	56% 114
١	8% 50%	223	Кат Кенцетия	5 24	18	1278	Kuse logs	161 ₈
ļ	7334				50as i 46 in	41 I4 2934	Selews y Stores	415g . 327g
!	3016 48	2314 405a	Kidde Walter.		386e :	281.	"A Rente Pater"	- 32 In
ì	26 50%		Krait	22 4819	4258 5	215	Sente Fe Inds	414
!	2809	23 lg	kroger (n	2714	15 :	35 <u>4</u>	Saxon Inda	413 1318
į	51.4 36.3	25 28:	Levi Straus	28 28: ₃	69×8	255g 197g	Schlumberger	6812
÷	-	•	-		205a	13 -	Sout Pager	143-
÷	651g ;	2914 83	Liggeti Greup.	29% 33%	2514 8	1914 64	Scotli Mrg Scud'r Duor Vesti	193g 66a
'	155q 181 ₂	114.	Litten Industra	1253 1575	!	-	-	_
ŧ	235a ·	16%	Jone Mar Illian.	16%	585 ₄ ·		Sea Containers	
!	205g 311 ₂	205g	Long taland Land.	191 ₈ . 245 ₈	13ag :	107g	Searte (G.D.)	114a 301a
ì	5713	301i	Litherical	333, 14%	4110	28	SEDCO	371g
ŀ	163a 137a -	5	Lucky Stores	Б	35 2 441 ₈	295 ₆	Shell Off	4174
:	1054 . 3812	3142	MacMillan	814 3812	34 i	25 ·	Signal Signode Corp	29ag 357a
Ī	41	35 · 35 ·	Mars Hanover	36 36	16 եթ.	1135g	DIBIDICAL PARTITION	7012
į	5815	47:2	Marathon Oil,	5014	253e 42 in	1958 32	Singer	23 40%
1	1 <i>5%</i> 22% ,	1053	Marine Midland.	11iz 20is	. 513 17:4	170	Southdown	21g 163g
ŀ		_			26:	2150	Southern Cel. Ed.	25%
٠'	51: ₈	21 . 24 .	Mar Dept. Stores	25% 35	18 31	157g 30	Southern Co	1734 31
	58±9	451g	VicDermon	4638	-8 -8	ACIL	Southern Pacific.	54 is 52 is
:	19ء 19ء	مروا 16.	McDounell Doog McGraw Hill	215s 187	27	_	Southispd	
i	67·6	=0 % 16	Merck	5811 1639	-203g	10%	Sports Hutch	18
į	. 24-4	. 161g	Mts M	223g 1505g	45 49: ₈	తేతే జనకం	Sperry fand	2914
	67 70m	50:	MinuMingA Mig.	61 ip	45	241	Standard Brands; Std.OffCalifornia.	294s 414
i	5823 56	595a 47	Mousanto	60% 481s	2754	47	std. Oil Ohio	47ag
,		361g	Materosa Marphy Oil	4048 3417	91 49: ₄	74 31 %	Stauft Chemical	201 ₂
:	5578	45	Vatasta	4tas	16%	1514 39	Sterling Drug	141
:	34 Ja 14 Ja	24.3 124	National Can	25:1 12:8	48	40%	ծայ Մռ	45½ 364
į				<b>4.</b>	4914	171,	Syntex	1912
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I Miller Intel Heaven 140 Mil		12	14.31		110	1 +1.5 er cent
I Miller Intel Heaven 140 Mil		12	14.31		110	-1 +1.5 er cent 181 260
I Miller Intel Heaven 140 Mil		12	14.31		110	-1 +1.5 er cent 181 260 182
I Miller Intel Heaven 140 Mil		12	14.31		110	-1 +1.5 er cent 181 260
I Miller Intel Heaven 140 Mil		12	14.31		110	-1 +1.5 er cent 181 260 182 300 245 348
I Miller Intel Heaven 140 Mil		12	14.31		110	-1 +1.5 260 182 300 245 348 200
I Miller Intel Heaven 140 Mil		12	14.31		110	-1 +1.5 er cent 181 260 182 245 348 200 200 200
Hitpubish Heary 14038 Hitpubish Gep. 473 Hitpubish Gep. 473 Hitpubish Gep. 555 m Hitpubish Gep. 1510 Sippon blegen. 1,510 Sippon blegen. 1,510 Sippon blegen. 1,710 Genyo Blegeric. 229 Settlem Pretab. 805 Shitsesto 1,210 Setho Martha. 282 Laketa Uhemical. 281	+3 -4 -60 -4 -30	12 14 20 15 16 48 12 50 20 40 11	1.3 1.4 2.0 1.8 0.5 1.4 1.0 1.4 2.6 1.9 0.9 2.0 2.7	Sorak Hydrokrift storebrand SPAIN  September 30 Asiand Banco Bilhao Banco Central Banco Central Banco Central Banco General Banco General Banco General Banco General Banco Franada Banco Franada Banco Hispano Banco Hispano	255 104.5 P	-1 +1.5 181 260 182 245 245 245 290 290 229
Hitpubish Heary 14038 Hitpubish Gep. 473 Hitpubish Gep. 473 Hitpubish Gep. 555 m Hitpubish Gep. 1510 Sippon blegen. 1,510 Sippon blegen. 1,510 Sippon blegen. 1,710 Genyo Blegeric. 229 Settlem Pretab. 805 Shitsesto 1,210 Setho Martha. 282 Laketa Uhemical. 281	+3 -4 -60 -4 -30	12 14 20 15 16 48 12 50 20 40 11	1.3 1.4 2.0 1.8 0.5 1.4 1.0 1.4 2.6 1.9 0.9 2.0 2.7	Sorak Hydrokrift storebrand SPAIN  September 30 Asiand Banco Bilhao Banco Central Banco Central Banco Central Banco General Banco General Banco General Banco General Banco Franada Banco Franada Banco Hispano Banco Hispano	255 104.5 P	
Hitpubishi Heary 14038 Hitpubishi Gep. 473 Hitpubishi Gep. 473 Hitpubishi Gep. 555 m Hitpubishi 548 Nippon Degen. 1,510 Sippon Shingan. 4374 Nissan Moors. 811 Fonces 1,710 Senyo Sigerric. 229 Setiau Pretab. 805 Shinesto 1,210 Senyo Marina. 282 Laketa Uhemical. 281	+3 -4 -60 -4 -30	12 14 20 15 16 48 12 50 20 40 11	1.3 1.4 2.0 1.8 0.5 1.4 1.0 1.4 2.6 1.9 0.9 2.0 2.7	Sorak Hydrokrift storebrand SPAIN  September 30 Asiand Banco Bilhao Banco Central Banco Central Banco Central Banco General Banco General Banco General Banco General Banco Franada Banco Franada Banco Hispano Banco Hispano	255 104.5 P	-1 +1.5 ar cent 181 260 182 360 265 368 200 286 286 195 280 381
Hitpathish Heary 140 Hitpathish Gep. 478 Hitpathish Gep. 478 Mitaul & Co. 555 Mitaul & Co. 555 Mitaul & Co. 1,510 Sippon Degra. 1,510 Sippon Degra. 1,510 Sippon Shingan 487 Mitaul Honers 229 Sakisui Freish 805 Shinesto 1,210 Sony 2,210 Desho Marina 282 Raketa Ubemical 281 LUK 1740 Lujin 123 Luau Marina 153 Luku Marina 558 Luku Marina 153	+3 -60 -4 -30 -3 +15 -50 -2 -1	12 14 20 15 18 48 12 30 40 11 12 30 10 11	4.3 1.4 2.0 1.8 1.4 1.0 1.4 2.6 1.4 2.6 1.9 2.0 2.0 4.1	Sorak Hydrokraci otorebrand	255 104,5 104,5 (1,000) (1,000) (1,000) aneo	-1 +1.5 260 181 260 245 368 200 245 368 200 228 195 200 361 361
Hitpathish Heary 140 Hitpathish Gep. 478 Hitpathish Gep. 478 Mitaul & Co. 555 Mitaul & Co. 555 Mitaul & Co. 1,510 Sippon Degra. 1,510 Sippon Degra. 1,510 Sippon Shingan 487 Mitaul Honers 229 Sakisui Freish 805 Shinesto 1,210 Sony 2,210 Desho Marina 282 Raketa Ubemical 281 LUK 1740 Lujin 123 Luau Marina 153 Luku Marina 558 Luku Marina 153	+3 -60 -4 -30 -3 +15 -50 -2 -1	12 14 14 15 16 48 12 30 40 11 12 12 12 13 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	4.3 1.4 2.0 1.8 1.4 1.0 1.4 2.6 1.9 2.0 2.0 4.1 1.0 4.0 4.1 4.0 4.0 4.1 4.0 4.1 4.0 4.1 4.0 4.1 4.0 4.1 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	Sorak Hydrokrific storebrand	255 104.5 104.5 1,000 (1,000) 2000 (1,000) 2100 (1,000)	-1 + 1.5 er cent 181 182 300 188 300 245 348 200 220 220 220 220 220 220 220 220 22
Hispathath Heary   140     Hispathath Gep.   478     Hispathath Gep.   478     Missul & Co.   555     Nispon Degen.   1,510     Sippon Shinpan.   437     Hones	+3 -60 -4 -30 -3 +15 -50 -2 -1	12 14 14 15 16 48 12 30 40 11 12 12 12 13 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	4.3 1.4 2.0 1.8 1.4 1.0 1.4 2.6 1.9 2.0 2.0 4.1 1.0 4.0 4.1 4.0 4.0 4.1 4.0 4.1 4.0 4.1 4.0 4.1 4.0 4.1 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	Sorak Hydrokrific storebrand	255 104.5 104.5 1,000 (1,000) 2000 (1,000) 2100 (1,000)	-1 + 1.5 er cent 181 182 300 188 300 245 348 200 220 220 220 220 220 220 220 220 22
Hispathath Heary   140     Hispathath Gep.   478     Hispathath Gep.   478     Missul & Co.   555     Nispon Degen.   1,510     Sippon Shinpan.   437     Hones	+3 -40 -40 -30 -3 +15 -50 -2 -1 -1	12 13 14 18 18 18 12 10 10 11 10 11 10 11 10 11 10 11 10 10	4.3 1.4 1.8 1.8 1.4 1.0 1.4 1.9 2.5 1.9 2.7 2.7 4.1 4.0 4.1 4.0 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1	Sorak Hydrokraci otorebrand	265 104.5 104.5 (1,900) (1,900) 21000) 21000 (1,900)	-1 +1.5 +1.5 260 182 260 245 348 200 226 195 200 226 195 200 226 237 245 250 266 267 268 268 269 268 269 269 269 269 269 269 269 269 269 269
Historishi Heary 140 Historishi Corp. 473 Missul & Co	+3 -60 -4 -30 -3 +15 -50 -2 -1	12 13 14 18 18 18 12 10 10 11 10 11 10 11 10 11 10 11 10 10	4.3 1.8 0.5 1.4 1.4 2.6 1.4 2.6 2.0 2.0 2.0 4.1 4.0 2.6 4.1 4.0 4.1 4.0 4.1 4.0 4.1 4.0 4.1 4.0 4.1 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	Sorak Hydrokrischeredrand SPAIN V September 30 Asland Banco Bilhao Banco Central Banco Historio Banco Historio Banco Historio Banco Lindicata Banco Vicaria Banco Vicaria Banco Zaragozan Bantonillon Banco Zaragozan Bantonillon Banco Zaragozan Bantonillon Banco Zaragozan Banco Zaragozan Bantonillon	255 104.5 104.5 (1,900) (1,900) aneo (2,900)	-1 +1.5 ar cent 181 260 182 260 182 260 260 278 260 278 260 278 260 278 260 278 260 278 260 278 260 278 260 278 260 278 260 278 278 278 278 278 278 278
Historishi Heary 140 Historishi Corp. 473 Historishi Gep. 473 Historishi Gep. 473 Historishi Gep. 1,510 Sippon Biggen. 1,510 Sippon Biggen. 1,510 Sippon Biggen. 1,510 Sippon Biggerte. 229 Sealaut Prebab. 805 Shitestio. 2,210 Desho Martha. 232 Faketa Ubernical. 281 FUK. 2210 Desho Martha. 1232 Faketa Ubernical. 281 FUK. 12740 Historishi L. 740 Historish	+3 -4 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 15 15 15 12 15 10 10 11 10 10 10 10 10 10 10 10 10 10	4.3 1.8 0.5 1.4 1.0 1.4 1.0 2.5 2.7 0.9 4.1 4.0 4.0 4.1 4.0 4.0 4.1 4.0 4.1 4.0 4.0 4.1 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	Sorak Hydrokrischeroebrand  SPAIN  September 30  Asland Banco Bilhao  Banco Central  Banco General  Banco General  Banco Hisoano  Braco Ind. Cat. (6  B. Jud. Meditert  Banco Pobular  Banco Pobular  Banco Vicaya  Banco Vicaya  Banco Zaragozan  Banto Zaragozan  Banto Zaragozan  Banto Zaragozan  Banto Andalocta  Bahcok Wilcoz  CIC	255 265 104.5 P (1,000) (1,000) aneo	-1 + 1.5 ar cent 181 260 180 245 280 290 290 290 290 290 391 290 381 247 382 342
Hispathath Heary   140     Hispathath Gep.   478     Hispathath Gep.   478     Missul & Co.   555     Nispon Degen.   1,510     Sippon Shinpan.   437     Hones	+3 -4 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 15 15 15 12 15 10 10 11 10 10 10 10 10 10 10 10 10 10	4.3 1.8 0.5 1.4 1.0 1.4 1.0 2.5 2.7 0.9 4.1 4.0 4.0 4.1 4.0 4.0 4.1 4.0 4.1 4.0 4.0 4.1 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	Sorak Hydrokrischeroebrand  SPAIN  September 30  Asland Banco Bilhao  Banco Central  Banco General  Banco General  Banco Hisoano  Braco Ind. Cat. (6  B. Jud. Meditert  Banco Pobular  Banco Pobular  Banco Vicaya  Banco Vicaya  Banco Zaragozan  Banto Zaragozan  Banto Zaragozan  Banto Zaragozan  Banto Andalocta  Bahcok Wilcoz  CIC	255 255 104.5 P (1,000) (1,000) aneo	-1 + 1.5 ar cent 181 260 180 245 280 290 290 290 290 290 391 290 381 247 382 342
Historishi Heary 140 Historishi Corp. 473 Historishi Gep. 473 Historishi Gep. 473 Historishi Gep. 1,510 Sippon Biggen. 1,510 Sippon Biggen. 1,510 Sippon Biggen. 1,510 Sippon Biggerte. 229 Sealaut Prebab. 805 Shitestio. 2,210 Desho Martha. 232 Faketa Ubernical. 281 FUK. 2210 Desho Martha. 1232 Faketa Ubernical. 281 FUK. 12740 Historishi L. 740 Historish	+3 -4 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 15 15 15 12 15 10 10 11 10 10 10 10 10 10 10 10 10 10	4.3 1.8 0.5 1.4 1.0 1.4 1.0 2.5 2.7 0.9 4.1 4.0 4.0 4.1 4.0 4.0 4.1 4.0 4.1 4.0 4.0 4.1 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	Sorak Hydrokrischeroebrand  SPAIN  September 30  Asland Banco Bilhao  Banco Central  Banco General  Banco General  Banco Hisoano  Braco Ind. Cat. (6  B. Jud. Meditert  Banco Pobular  Banco Pobular  Banco Vicaya  Banco Vicaya  Banco Zaragozan  Banto Zaragozan  Banto Zaragozan  Banto Zaragozan  Banto Andalocta  Bahcok Wilcoz  CIC	255 255 104.5 P (1,000) (1,000) aneo	-1 + 1.5 ar cent 181 260 180 245 280 290 290 290 290 290 391 290 381 247 382 342
Minaulata Heary 140 Minaulata Go. 355 Minaulat Go. 355 Minaulat Go. 355 Minaulat Go. 355 Minaulat Go. 1,510 Sippon bloom. 1,510 Sippon bloom. 1,510 Sippon bloom. 1,710 Sinco Minaulata Minaulata Go. 1,710 Sinco Minaulata Go. 1,710 Sinco Minaulata Go. 1,710 Sinco Minaulata Go. 1,710 Sinco Marina. 222 Go. 1,210 Sinco Marina. 222 Go. 1,740 Leijin Leijin 123 Go. 1,740 Leijin 124 Go. 1,740 Sinco Minaulata Go. 1,740 Sinc	+3 -60 -30 -30 +15 -50 -1 -1 -1 -50	12 13 14 20 15 12 30 40 11 12 10 10 10 10 10 10 10 10 10 10 10 10 10	4.3 1.8 0.5 1.0 1.4 2.5 2.7 0.9 4.1 1.0 2.5 4.1 1.0	Sorak Hydrokrific storebrend	110 255 104,5 104,5 11,900) 11,900) 2100 2100 2100 2100 2100 2100 2100 2	-1 +1.5 ar cent 181 218 390 218 390 220 220 391 220 391 220 342 342 342 342 342 342 342 345
Minaulata Heary 140 Minaulata Go. 355 Minaulat Go. 355 Minaulat Go. 355 Minaulat Go. 355 Minaulat Go. 1,510 Sippon bloom. 1,510 Sippon bloom. 1,510 Sippon bloom. 1,710 Sinco Minaulata Minaulata Go. 1,710 Sinco Minaulata Go. 1,710 Sinco Minaulata Go. 1,710 Sinco Minaulata Go. 1,710 Sinco Marina. 222 Go. 1,210 Sinco Marina. 222 Go. 1,740 Leijin Leijin 123 Go. 1,740 Leijin 124 Go. 1,740 Sinco Minaulata Go. 1,740 Sinc	+3 -60 -30 -30 +15 -50 -1 -1 -1 -50	12 13 14 20 15 12 30 40 11 12 10 10 10 10 10 10 10 10 10 10 10 10 10	4.3 1.8 0.5 1.0 1.4 2.5 2.7 0.9 4.1 1.0 2.5 4.1 1.0	Sorak Hydrokrific storebrend	110 255 104,5 104,5 11,900) 11,900) 2100 2100 2100 2100 2100 2100 2100 2	-1 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5 -1.5
Minaulata Heary 140 Minaulata Go. 355 Minaulat Go. 355 Minaulat Go. 355 Minaulat Go. 355 Minaulat Go. 1,510 Sippon bloom. 1,510 Sippon bloom. 1,510 Sippon bloom. 1,710 Sinco Minaulata Minaulata Go. 1,710 Sinco Minaulata Go. 1,710 Sinco Minaulata Go. 1,710 Sinco Minaulata Go. 1,710 Sinco Marina. 222 Go. 1,210 Sinco Marina. 222 Go. 1,740 Leijin Leijin 123 Go. 1,740 Leijin 124 Go. 1,740 Sinco Minaulata Go. 1,740 Sinc	+3 -60 -30 -30 +15 -50 -1 -1 -1 -50	12 13 14 20 15 12 30 40 11 12 10 10 10 10 10 10 10 10 10 10 10 10 10	4.3 1.8 0.5 1.0 1.4 2.5 2.7 0.9 4.1 1.0 2.5 4.1 1.0	Sorak Hydrokrific storebrend	110 255 104,5 104,5 11,900) 11,900) 2100 2100 2100 2100 2100 2100 2100 2	-1 +1.5 ar cent 181 218 390 218 390 220 220 220 391 220 391 220 342 243 243 245
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tuku Marina. 123 Tuku Marina. 125 Tuku Marina. 125 Tuku Marina. 126 Septimber Presi 1,000 Tokyo Sanyo. 244 Tokyo Sanyo. 244 Tokyo Shihaura. 122 Goray. 114 Tokyo Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 120 140 140 140 140 140 140 140 140 140 14	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tuku Marina. 123 Tuku Marina. 125 Tuku Marina. 125 Tuku Marina. 126 Septimber Presi 1,000 Tokyo Sanyo. 244 Tokyo Sanyo. 244 Tokyo Shihaura. 122 Goray. 114 Tokyo Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 120 140 140 140 140 140 140 140 140 140 14	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tuku Marina. 123 Tuku Marina. 125 Tuku Marina. 125 Tuku Marina. 126 Septimber Presi 1,000 Tokyo Sanyo. 244 Tokyo Sanyo. 244 Tokyo Shihaura. 122 Goray. 114 Tokyo Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 120 140 140 140 140 140 140 140 140 140 14	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tuku Marina. 123 Tuku Marina. 125 Tuku Marina. 125 Tuku Marina. 126 Septimber Presi 1,000 Tokyo Sanyo. 244 Tokyo Sanyo. 244 Tokyo Shihaura. 122 Goray. 114 Tokyo Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 120 140 140 140 140 140 140 140 140 140 14	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tustu Marina. 123 Tustu Marina. 125 Tustu Marina. 125 Tustu Marina. 127 Goray. 114 Toyrot Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 120 140 140 140 140 140 140 140 140 140 14	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tustu Marina. 123 Tustu Marina. 125 Tustu Marina. 125 Tustu Marina. 127 Goray. 114 Toyrot Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 120 140 140 140 140 140 140 140 140 140 14	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tustu Marina. 123 Tustu Marina. 125 Tustu Marina. 125 Tustu Marina. 127 Goray. 114 Toyrot Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 120 140 140 140 140 140 140 140 140 140 14	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tustu Marina. 123 Tustu Marina. 125 Tustu Marina. 125 Tustu Marina. 127 Goray. 114 Toyrot Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 180 180 140 104 104 109 109 110 110 110 110 110 110 110 110	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tustu Marina. 123 Tustu Marina. 125 Tustu Marina. 125 Tustu Marina. 127 Goray. 114 Toyrot Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 180 180 140 104 104 109 109 110 110 110 110 110 110 110 110	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tustu Marina. 123 Tustu Marina. 125 Tustu Marina. 125 Tustu Marina. 127 Goray. 114 Toyrot Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 180 180 140 104 104 109 109 110 110 110 110 110 110 110 110	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
Minaulata Heary 140 Minaulata Go. 555 Minaulat Go. 555 Minaulat Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 555 Minaulata Go. 1,510 Sippon Shinpan. 437 Minaulata Minaulata Go. 1,710 Sanyo Marina. 232 Sadau Prebab. 305 Shineato 1,210 Sony. 2210 Dashio Marina. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Uhemical. 232 Takata Marina. 123 Tustu Marina. 123 Tustu Marina. 125 Tustu Marina. 125 Tustu Marina. 127 Goray. 114 Toyrot Motro. 990 Source Nikke Security	+5 -60 -4 -30 -3 +15 -50 -2 -1 -1 -1 -1 -50	12 13 14 20 15 12 12 13 14 15 10 10 11 10 10 10 10 10 10 10 10 10 10	134 180 180 140 104 104 109 109 110 110 110 110 110 110 110 110	Sorak Hydrokrific storebrand	255 265 104,5 (1,900) (1,900) (1,900) 2100 (230) (1,000)	+1.5 +1.5 1181 1181 1182 1183 1183 1183 1183 1183
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26 50 245, 215, 201, 3018



# . 36 AUTHORISED UNIT Abbey Unit Tst. Mgrs. Ltd. (aMg) Brown Shipley & Co. Ltd. Guardian Royal Ex. Unit Mg 73-80, Gatebouse Rd. Aylenbury. C286 S841 Mngrs: Fourriers Cc., EC2 Abbey Capitol. 35.6 40.3 159 ES Units Sept 27 226.7 Abbey income. 35.6 40.3 159 ES Units Sept 27 226.7 Abbey income. 35.6 40.3 159 ES Units Sept 27 226.4 Abbey income. 35.6 40.3 159 ES Units Sept 27 226.4 Abbey Capitol. 35.6 40.3 159 ES Units Sept 27 226.4 45.2 (88 Guardian Royal Ex. Unit Mg Royal Exchange, ECIPJDN. 45.2 (88 Guardian Royal Ex. Unit Mg Royal Exchange, ECIPJDN. 45.2 (88 Guardian Royal Ex. Unit Mg Royal Exchange, ECIPJDN. 45.2 (88 Guardian Royal Ex. Unit Mg Royal Exchange, ECIPJDN. 45.2 (88 Guardian Royal Ex. Unit Mg Royal Exchange, ECIPJDN. 45.2 (88 Guardian Royal Ex. Unit Mg Royal Exchange, ECIPJDN. 45.2 (88 Guardian Royal Ex. Unit Mg Royal Exchange, ECIPJDN. 45.2 (88 Guardian Royal Ex. Unit Mg Royal Exchange, ECIPJDN. 45.2 (88 Guardian Royal Ex. 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Unit Mg Royal Exchange, ECIPJDN. 46.2 (88 Guardian Royal Ex. Unit Mg Royal Exc | High Income | 50.9 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | Authories Court Lieb Mgm. Co. Led. 19thbe St. EXY Lieb. 19thbe St. EXY L The state of the control of the cont | Govert | John | Secum Units | 1734 | 1847 - 0.4 | 414 | Income Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 52.5 | 54.1 | 49 | Accum Units | 54 Bl. British Life 52.7 55.8 -0.6 5.02 Grachstr. Sept. 30. 32.6 Bl. Bajanced 77.9 51.2 490 (Accom Units) 53.4

I.G. Index Limited 1. Tax free tra 2. The common	ding or	g comm	codity carket	future for the	s smalle	r inve	Citie	Accun Uts Sept. 28, 15.6 54.5; Kern Expt Aug 21, 182.6 196.24 Accum Uts Aug. 11, 124.8 221.7  Midland Bank Group Unit Trust Managers Ltd. 9 Courtwood Rouse, Silver Street H Sheffield, SI 3RD. 764 Composity & Cen. 155.0 54.2
- {	Sept.		>ept   28		Sept. 26		∆ yeu	Do Abeum.   \$1.6   65.6
Jovernment Secs	79.85	78.40	78.36	77.63	78.63	76.59	59.13	lincome
Fixed Interest	79.08	78.47	78,45	78.09		76.23		Do. Accum
industrial Ordinary	520.7	515.4	519.5	522.0	521.3	504.7	317.5	Do Accum 46.7 49.9 High Yield 60.8 64.7m
Fold Mines	146.1	144.5	145.4	145.2	149.1	149.0	106.9	Do Accum62.8 64.8 Pourly Evenot*108.4 114.3m
Ord, Div. Yigid	5.14	5.20	5.17	5.13	5.13	5.27	7.08	110 Accum 100.4 134.3m
Bernings Yad≥(full)(*)	15.12	15.29	15.18	15.08	15.07	15.50	20.93	Prices at Sept. 30. Next dealing
P/E Hatin (ner: (*†)e-	9.43	9.33	9.39	9.46	9.47	9.20	7.05	Minster Fund Managers Ltd
Jealings marked	5.457	6,644	6,352	6,694	6,335	5,997	4,669	Minster Hse. Arthur St. R.C.4. Minster Fd. Sept. 19, [33.3 35.4]
quity turnova Lm	— i	104.90	157.64	146.81	96.41	92.45	48.44	Exempt. Sept. 30 35.3 89.3
drift or deture of a "	<u> </u>	18,344	19.451	20,635	19.270	16,453	11.356	MLA Unit Trust Meanut, L
10 a.m. 51	2 p.s	n. 519 6.	6. Nova 3 n.m	519.3,	1 p.m. \$	29.0.		Old Queen Street, SWIHQIG. MLA Units
* Based Basis 180 Cost S	an 52 jiej	cent c	erperati	op fax.	†N:1=9.3	6.	•	Mutual Unit Trust Manager

t	HGHS	ANI	LON	/S	S.E.	ACT	VIT
!	18	177	Miner Co.	mpilistical		Sane	
- <u> </u>	Hven	Low	High	L·w		Sept. 30	. Sept. 29
(Inst. decs	79.85 (30/9)	60.45 14/Li	127.4 (3,1,56,	49.1¢	—Dany Gru-Edged Industries	228.0 174.2	243.
'ixed lut	<b>79.08</b> (30,9)	60.4%	150.4 (なけい)	60.64 (5/1/ <i>l</i> b	Totals	30.8 124.2	43.
nd. Oni	649.2 :14:4		549.2 (14/9/77)	19.4 :5/6/40	Salas Av'rage Litte-balges: Industrials	252.3	248.0
Gold Manes.	149.1 (36/9)	95.1		(43.5) (€6.007 ti	Speculative	41.8	45.2

(26/9)	(1/2)	(24,6/75	g Gride	lı İnta	l~	143.3	145.8				
FT—ACTUARIES INDICES											
-	307A.	Sept.	Sept. 28	56pt 27	Sept. 26	Seja.	3 Year				
Industrial Group											
500 Shares	242.61	239.98	241.32 4.96	241.83 4.95	240.62 4.97	234.04; 5.11	145.24 7.33				
P/E Ratio (net)	9.66	9.56	9.63	9.65	9.61	9.35	8.00				
All Shares	224.45	221.85	222.96	222.55	220.68	. 214.52:	153.77				

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All Share

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Sept. 30	5	Sept. 30	\$	China light &
Industrials 1		i		City Hotels Cosmopolitan P
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Brustead Lo.	†1.61	Temenggung	1.48	S. Asia Navigal
Boustead Blad	L64	Times Pub.	l	Hong Kong Ain
l'uniop	3.56	Ber bad	(3.52	Hong King & Whi
East	2.14	U. Engineers	1.52	Houg Kong Ele
Frager Neave	3.18	U. Ov's. Bk		Hong Kong Kow
Haw Par	0.9512	West De	2.68	Hong Kong Lar
Hume Ind	L.:3	Tractor	3.28	Hong Kougsbar
luchespe	3.32 1.74	Chemical	4.10	Hong Kong Shut
Jardine	1.74	Willim Jacks.	†1.39	Hutcheon Inter
Malay Brew.	-	Rubbers		Inter. Pacilie S.
Malay Cemt.	_	Hatu Lintang	† L.36	Ja:June Mather
Nat. Pobacco	6.05	Donl'pEstate	8.30	Jardine bors
Met.Bs.Sing	11.32	Kempas	13.46	Rubber
Ov's Clue.BL	0.55	Tins	,	Sime Derby
Pan Electric.	1.67	Austral, Am.	£2.13	Southo, Pac. Pa
Robinson Co.	1.89	·Berjunta t	6.85	Southern Textu
Kothman	13.20	hemper	12.85	Swire Pacific A
5bell	1.00	(Krantat	4,80-4.90	Textile Alliance
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Cold Storage.	2.10	Lower Perak.	:1.40	Wheeler's March
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(1975) Ltd.,	-5,65	Tongkuiller.	2.₩3	Wydeor
	Buyer.	; Seller.		+ Bayer. : S
• •	man ca .			dividend.
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National Westminster♥ (2) 4) Lothbury ECZP2BP 01-837-804
Growth inv
161 Cheapside, EC2V 6E17. 01-606 6060
Capital Accum. 66.0 71.0 +0.6 4.08 Figure 35.5 38.3 +0.4 4.61
Figureial 35.5 38.1 +0.4 461 Income 37.5 40.34 +0.9 5.72 Portfolio Inv. Fd. 738 78.9 +0.6 437
POLICIO IN. Par.   150 163  Table 451
NEL Trust Managers Ltd. (a)(g)
Milton Court, Dorking, Surrey. 5911
Nelstar
New Court Fund Managers Ltd. (g)
72-80, Gatehouse Rd., Aviesbury. 0296 5941
N.C. Equity Fund _ [163.0 173.0 294
N.C. Equity Fund 163.0 173.0d 294 N.C. Income Fd 1479 1573 +0.5 5.21 N.C. Internat. Fd. 737 78.4 +0.8 227 N.C. Sml. Cs. Fd. 138.0 146.8d +1.5 4.45
N.C. Sml. Cs. Fd. 138.0 146.8m +1.5, 4.45
Norwich Union Insurance Group (b)
P.O. Box 4. Norwich, NRL ENG. 0603 22200
Group Tst. Fd [342.5 360.5] +2.1  4.37
David Warren Yad towns
Pearl Trust Managers Ltd. (akgkz) 252 High Holborn WCIV 7EB 01-4658441
Pearl Growth Fd. 123.9 25 81 +021 4.29
Pearl Grawth Fd. 22.9 25 8 +0.2 4.29 Accum Linits 27.5 21.6 +0.2 4.29 Pearl Unit 74 5.0 35.7 +0.3 5.76 Pearl Unit 74 5.0 37.7 +0.2 4.20 L'Accum Linits 4.2 47.7 +0.3 4.32
Pearl Unit Tel 369 397 +0.2 432
1. Secrum Linits  46.2 49.7  +0.3  4.32
Pelican Units Admin, Ltd. (g/x)
181 Fountain St. Manchester 061-2365685
Pelican Units
Perpetual Unit Trust Magnet V (a)
48 Hart St., Henley on Thames 06912 6965 P petual Gp. Gth
1
Piccadilly Unit T. Mgrs. Ltd. (a)(b)
Warde te Rise_59a Loridon Wall EC2 638 0901
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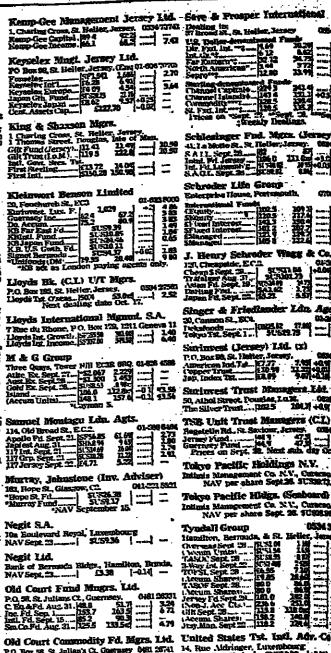
# OFFSHORE AND OVERSEAS FUNDS

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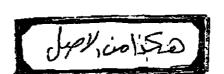
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ept.27] 120 12.27148.5	150.7	Sebag Unit Tst. Managers Lid. (2) (2) PO Box 511, Bekilbry. Hse., E.C.4. 01-226 5000	COLMODER CAC. [11] 0 1168	Flexible Finance 51101	Prop. Equity & Life Ass. Co.V	Target Life Assurance Co. Ltd. Target House, Gatebouse Rd., Aylandar
(s) 171.8 C.26 121.7	174.4 6.91 128.4 5.89	Sebag Capital Fd.   35.5   37.2n +0.4   3.17   Sebag Income Fd.   29.7   51.1n +0.1   7.17	Virgle Inv. Acc. 158.2 166.5	G.&S.Soper'Fd] 58,205 ] —	179, Crawford Street, W1R 2AS. 01-886 0857 R. SIII: Prop. Ed	Burks. Aylenbury (URL)
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d <b>Managers</b> Rouse, Silver S 3RD.	treet Read	Sun Alliance Fond Mast 14d	Sel Mk Fd.Cp.Unt 59.0 629 -02 - Sel Mk Fd.St.Unt 93.7 991 -03 -	Pen Man. Cap 256.9 277.8 +3.8 Pen Man. Acc 259.6 273.3 +5.3	Reducty Fund (A) 179.7 +1.0 Money Fund 1333 +0.2 Money Fund (A) 192.8 +0.2	Tulip Mangel Fd. 100.8 1134 Man. Bond Fd. 100.5 1112 Man. Pen. Fd. Cap. 1125 1186 Man. Pen. Fd. Acc. 1173 1234
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501 559 1 445	59.8 +0.3 5.84 47.6 +0.4 2.65	Terget Commodity 325 34.9 +0.11 3.52 Target Floancial 62.9 68 6s +1.2 3.98	Managed Bris 1859 1119 +0.4 — Money Bris 960 1611 — — Man Accum 95.0 100.0 — — — — — — — — — — — — — — — — — —	WHIII Settmel Life Assur. Ltd.	VAII Weather Cap. 1145 1245	Equity Fund 1129 1191
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Trust Mge rest, SW1H9JG		Target Tst. Mgrs. (Scotland) (a)(b) 19. Athol Crescent, Edin. 3. 031-2298621/2	Grth. Fd. Aug. 81.   58.8	Do.Pra.Gid.Acc	Prov. Managed Fd. 117.6 123.8 — Prov. Cash Fd. 102.3 107.6 — Gilt Fund 20. 131.9 141.1 — —	"Trdt G.I. Bood 103.6 Cash value for £100 premius."
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oit Trust Ma Ave., ECZR 7BU	anagers♥ (a)(g) . 01-8064803		Exec. Baid. Unit. 61239 -002	For Individual Life Insurance Co. Ltd.	Equif. Fd. Sept. 21   524.99   25.76     Fad. Ret. Sept. 21   518.22   18.46     Prop. F. Sept. 21   522.36   23.85	3-Way Sept. 22 117.6 Equity Sept. 22 155.8 Bond Sept. 22 161.2
103	555 +0.3 576 725 +0.3 697	100. Wood Street, E.C.2. 01-628 6011	Exec. Prop. Unit   £11.73   —	See Schroder Life Group. Irish Life Assurance Co. Ltd.	Dellares Materi	Property Sept. 22. 95.4
Chip 44.0 Yld 57.4	47.8 -02 552 61.6d -17 8.44	Transatiantic and Gen. Secs. Co.♥	Balance Bond	11. Finsbury Source, ECT. 01-628.6253	Tuntridge Wells, Rent. 0882 22771 Bei. Prop. Bds	3 WayFen Sept. 22 137.0 Creas Inv. Sept. 22 63.0 Mn.Pn.3 W Sept. 1 127.0 Do. Equity Sept. 1 237.4
nd Commer v Source Edin	ciaj burch 031-556 9151	91-99 New Landon Rd Chelmaford 0345 51651 Barbican Sept. 29 78.4 81.3	Current value Sept. 23.  Beismoe Bond 57.29 13.111-0.02  Zquity Bond 511.28 511.94-0.04  Property Bond 511.28 11.94-0.04  Deposit Bond 1083 11.46  Mingd Accum Unit. 1,461	Managed Fund 198.9	Royal Insurance Group	Do. Squity Sept. 1 2374
21 154.6 81 206.0 123.4	140.2 536 213.6 536 128.0 338	Baro Euro Sept 20 180 2 187 2 184		Prop. seed. Gib	New Hell Place, Liverpool. 051 227 4422 Royal Shield Fd 130.1 137.6	Vanhrugh Life Assurance
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och St. FCSP 7E	r. Mingrs. Ltd.♥ 10 01-623 4200	Cameria Sept. 28 53 625 546 (Accum Units) 615 653 546 Glen Sept. 27 52 54 630	4Deposit Fund	Next desiing day Oct. 5. Govt. Sec. Bd [129.9 136.8]	Bel Inv. Fd	Bruity Fd. 221.5 261.4 225.5 15th Pund C. 5.5 46.4 46.5 15th Pund C. 5.5 46.4 46.5 15th Pund C. 5.5 15th Pun
Tet47.1 sr55.9	50.2 3.65 97.5 3.65 124 9.6 3.10 132.1 3.16 saling day Oct. 25.	Glen Sept. 27 23 56.0 430 (Accum. Units 50 695 430 (Mariboro Sept. 27 50.0 50.54 220 (Accum. Units) 55.5 60.3 220 (Accum. Units) 55.5 60.3 220 VanGwitsept. 27 50.7 50.8 3.25	Capital Life Assurance	Langham Life Assurance Co. Ltd. Langham Rs. Bolmkmook Dr. NW4. 01-203 5211	Property Fid.* 1340 161.9 GIF Pund. 122.0 72.0 72.9 Deporti Fid.* 119.9 16.3 +1.9 Equity Pens. Fid. 117.2 167.3 +1.9 Pung. Pens. Fid. 118.5 165.3 +1.4 — Co. Puns. Fid.* 186.5 165.3 +1.4 —	Cash Fund 1146 1207
7124.8 a) 124.8 ept. 29 Next de	1321 316 ealing day Oct. 25.	Van Cur Sant 97 Kh7 EEE ( 1%)	Kenteuert Ed. 1 102 20 ( )	Langham 'A' Plan 163.1 66.5 @Prop. Bond 133.4 140.4 Wisp (SP) Man Fd 66.3 69.8	Prices on There 29 17 Same 29	Welfare Insurance Co. 11d. The Leas Folkestone Kent. 030
Sehr ar vex	desing our a		18. Checkers Sc., Thybridge URS DCE 92(8)	LUE ASSUL CA. OF PRINSPOSITO		Cap. Growth Fund 2839 +13 OExtempt Flee Fd 1237 +53 oExtend Fron Fd 77.6 +6.7
Vestininster ECZP1BP	01-837 8044		Chritise Money 29.0 30.4	I ACCOP Circles 1929 9861 1	Enterprise House, Portsmouth. 0705 27753 Flor. Sept. 27 129 1 136.0	### Property Fund   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   1237   123
199.1 16.8 16. ECZV 6EU	95.8 +0.7 4.75 74.0 +0.7 6.76 01-606-6080.			71. Lombard St., EC3. 01-623 1288 Exempt   79.8 105.0    7.53	Exactly 2 Sept 20	Inv. Trust Fd. 1403 +221 Moneymaker Pd. 1972 +25 Property Fund 76.0
m.; 66.0 35.5	71.07 +0.64 4.08 38.11 +0.47 4.61 40.342 +0.57 5.72 78.97 +0.64 4.37	Thursdall Management 7/100	Magna Managed	Lloyds Life Assurance	Fixed lot. Sept. 27. 145.8 153.9	Whodsor Life Assur, Co. Ltd.
77.5 Fd 73.8	78.9 +0.6 437	Income Sept. 28	City of Westminster Assur. Soc. Ltd. Bingstead House. 6, Whitehorse Road, Crogdon, CRO 22A. First Units 1134 541 +0.8  City of Westminster Ass. Co. Ltd. Ringstead House. 6 Whitehorse Road, Croydon, CRO 22A.  Clay of Condense Co. Ltd. Ringstead House. 6 Whitehorse Road, Croydon, CRO 22A.	12 Leadenball St. ECHM 71.5. 01.623 8821 MH. Gth. Sept. 6.   1.22619	Procedure Sept. 27   104.6   110.2	Life Inv. Flans
t Managers Dorking Surre		Cap. Sept. 28. 126.2 112.5 3.94 (Accum Units) 177.8 181.6 3.94 (Accum Units) 119.0 115.6 6.39 (Accum Units) 189.2 154.8 6.39	Property Units 514 541 +0.8	Opt.5 Prop Sept. 30, 1186 124.9 +22		Ret. Assd. Pens. 524.24 Flox. Inv. Growth 103.4 1053
Inc. 49.1	69.64 -0.7 4.81 51.6 +0.6 9.88	Account Units 777.8 121.6 154.6 6.39 Exempt Sept. 28 110.8 115.6 6.39 Accum. Units 149.2 156.8 6.39 Accum. Units 129.8 157.8 4.31 Accum. Units 120.8 127.0 4.31 Int. Earn, Spt. 28 299.2 261.8 4.35	Ringstead House 6 Whitehorse Road, Craydon, CRO 21A. 01-584 9864	Opt.5 Mem.Sept. 30 144.0 1516 +16 Opt.5 Dept.Sept. 30 118.5 124.6 +0.2	Fixed Interest 156.2 164.5	<del></del>
	agers Ltd. (g)		West Prop. Fund	18-20, The Forbury, Reading 583511.		NOTES
use no , Ayresb Yund _ [163.0 ] Fd[147.9	ury. 02965941 173.0ml 2.94 157.3 +0.6 6.21 78.4 +0.8 2.27	Accum Units 2710 285.8 4.5 Scot CapScot 28 184.4 143.4 4.50 LACCUM Units 157.4 165.4 4.50 Scot Inc. Scot 186.6 154.0 9.10	West Prop. Fund. 54.8 57.6 +0.4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Money Manager 29.7 31.9 -0.1 — M.M. Flexible 26.6 28.1 -0.2 — Flued Interes 33.5 35.4 — Deposit 113.8 119.9 +0.1 —	Money 1343 129.4 K. & S. Gilt Bots 139.8 137.0 K. & S. Girt Sec. 129.9 136.8 Commodity UT 181.5 106.9 Commodity UT 181.5 106.9	indicated 4, and are in pence unless of indicated 4.
und_143.0 1 Fd_1479 Fd_737 Fd_138.0 1	78.4 +0.8 2.27 46.8m +1.5 4.45	London Wall Group  Cantral Growth 73 9 84.4 +0.8 5 56		M & G Group♥	Growth 177 127.9 128.4	allow for all buying expenses a Office of lociude all expenses b Today
nion Insura	ance Group (b) G. 9803 22200	Extra Inc. Growth 356 382 9.24 Do. Accum 383 411 9.24	C		International UZ_U243 130.9	Prices de not include à premium, escat- indicated è, and are in pence unique of indicated. Fields è cabtum in hat, e- allow for all buying expenses. Discusse allow for all buying expenses. Discusse include all expenses. Protogrè 3 c Yield based on offer price, d Est, g Today's opening price. b Discusse i U.S. tanca. p Periodie pression us plans. a Single premium issi- coffered price includes all expenses, segum's commission. y Offered price in a Presional day's price. Net ed.
	360.5  +2.1  4.37	Prinspeal Prival 15,9 17,9 42,3 447 Do. Accum 19,1 20,4 40,3 4.47 High Inc. Priority 60,4 44,9 +2,1 7.50 London Wall Int. 25,9 28,7 +1,3 5,16 Special Sits 22, 30,1 +0,3 4,38	St. Helen's 1, Undershaft, EC3. 01-283/7500 Variable An Ac IIIs 1 54 50 1+307	Conv. Deposit* 11A8 120.7 Equity Bood* 126.2 137.6 Family 78-80* 169.8	PO Box 902, Edinbugh, ER16 SBU, 031-655 6000	offered prior includes all expenses.
vorm WOTEV THE	Ltd. (a)(g)(z) 3 01-4058441		Do Amerity Uts 17.32     —   Confederation Life Insurance Co.	Family 61-87- 1673   1673   1714   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   1715   17	Inv Fey Series 1 103.8 103.6	Previous day's price. Pier of 1
Fd	25.5 +0.2 4.29 29.6 +0.2 4.29	TSB Unit Trusts (y) 21, Chaptry Way, Androyer, Hants. 0251 82188	50. Chancery Lane, WC2A 1HE. 01-342 0382 VEnuity Fund - 344.6 151.8	Blanaged Bd 122.7 128.9 +0.9 Property Bd 142.8 150.0	Inv.Cash F. Sept.3095.3 100.4	r Previous is bought through self- realised capital galax unless indicate Guerney gross. Suspended. before Jersey tax. † Ex-subdivisi
36.9	258 +02 429 296 +02 429 35.7 +03 5.78 39.7 +02 432 49.7 +0.3 432	Dealings to (264 63432-3 (b)TSB General 48-3 46-5] +0.4 3.29	VEquity Fund 144.6 151.8	Managed 80************************************	Pr	MENTS LIMITED
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iL, Manchester 	061-2365685 87-2(+0.6) 4.63	TSB Scotton	Carry	Merchant Investors Assurance\( \) 125. High Street, Croydon.	Index Guide as at 27th Septer Clive Fixed Interest Cap	(61)
	Mngmt.¥ (a)	Ulster Bank♥ (a) Waring Street, Beifarz	32, Cornhill, E.C.2 01-5255410   Capital Sept. 15	Conv. Dep. Fd. 125.8 +0.2 -	Clive Fixed Interest Inco	me 122.59
enley on Thame th 182.0	s 04812€968 194,0}+10,2  3.75	(bil later Growth _  392	Capital Sept. 15. 115.0 CS Spec. Sept. 15. 48.5 Mn. Gh. Fd. Sept. 20, 163.5 172.5	Mer. Inv. Man. Fd. 105.8 +2.8 Mer. Inv. Ptv. Bd. 138.5 +1.3 Equity Bond Prop. Pens. 241.7 +1.5	CORAL INDE	X: Close 521-526
_59a Loridon W	rs. Ltd. <b>V</b> (2)(b)  all 202   638 0801	Unit Trust Account & Figure Ltd. King William St. EC-48 9AR 01-224951 Priory Hose Formi Data 754 61   Add	Credit & Commèrce Ensurance  120. Regent S., London WIR SFE 01-438 7081  C&C Mond. Fd 17180 12761	Corev. Dep. Fd. Mcorey Mcfte. B. Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte. B. Mcorey Mcfte.	OVARIA INTO	
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nd [23.5	67.5 +0.4 3.56 25.1 3.60 25.2 +0.1 3.10	ACCEST COMES	1. Times directile St. EC2. 01-588 1212 Eagle Mid. Units   543 543 +0.6 5.0	Neisz Money Cop. 578 608	Cannon Assurance † Address shown under Insura	ince and Property Band Table.
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THEATRES

OFFICE NOW OPEN
Christmas Season of

CINEMAS

OPERA & BALLET

i. Credit Cards 01-240 5258. Servations 01-235 5258. KLISH NATIONAL OPERA v and fri. 7-30 David Blako's MT: Wed. and Sat. 7-30 La Thurs. 7-30 Werther, 104 Bai-ts always aveilable day of perf. w booking for Mov. perfs.

39

.: **51** .

4 monthly moving total:

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September 1977

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September 1977

Eng.

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Consumer Consumer Stores

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Durables Store

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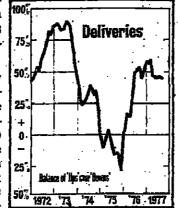
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### GENERAL OUTLOOK

### A mood of caution

RECENT SIGNS of an improve ment in the economic situation have helped to sustain business confidence. But the general attitude is still one of caution.

The main area of uncertainty at the present time is the prospect for pay settlements in the 25 coming months. A pay explo-Predent Toright. Tues, and Wed, at 8.0. Opens That sear 27.0. Store Mes. 5.70 and 8.45. Mes. That sear 27.0. Store Mes. That sear 27.0. Store Mes. That sear 27.0. Store Mes. 1 LOVE MY WIFE The Ber. 1 Cornect Mescal Direct 1 Gene Saks INSTANT CC. Med CREDIT CARD BOOKING, ON 01-930 8681. sion of the dimensions of two years ago does not seem to be widely expected—judging from the latest all-industry forecast increase for wage costs over the next 12 months, which is an increase of about 12-13 per cent. sive settlements and the But there is a fair degree of bility of labour unrest



about the possible effects of continuing inflation and a stable worry about the risks of exces- Of those claiming to be more exchange rate.

optimistic, most cited among their reasons the fact that demand appeared to have improved. This was evident in all three sectors resurveyed last month. Even so, the stores and consumer services sector -which might be particularly expected to benefit from a revival in real consumer incomes — was the most cautious of the three. Exports prospects are still generally considered to be good. more intensive in several elec-

**EXPORT PROSPECTS (Weighted by exports)** 4 monthly moving total September 1977 Eng. Durables Stores But competition had become Over the next 12 months exports will be 180 trical engineering markets, and several firms express concern

35.

·\$4 -

32

55

GENERAL BUSINESS SITUATION

Are you more or less optimistic about your company's prospects than you were

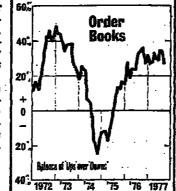
four months ago?

### ORDERS AND OUTPUT

### Slow recovery in activity

THERE HAS been little change in the underlying trends for demand and output, which continue to indicate a slow recovery. ust over half of the latest allindustry sample say that new orders are improving and less than a sixth report a decline.

This was the same as in August: the electrical engineering sector last month were more inclined to report an improvement than when the sector was last sounded in May, but the imoffset by an opposite tendency in the cars and consumer durables



Looking ahead, both the electrical engineering and the stores and consumer services sectors were less inclined than in May to say that they expected to increase their volume of pur chases of bought-in supplies and sales goods over the coming for months. As a result this indica tor has dropped back slightly. On the other hand, electrica

engineering and cars/consume durables have become a little more bullish about productio trends over the next 12 months with the result that the median forecast production increas has edged up again.

STOCKS

next 12 months will:

Raw materials and components over the

Stay about the same

Stay about the same

Increase

Decrease

No comments

				- A ()	· /:	Ask of the market is
NEW ORDERS		4	monthly	moving	total	September 1977
The trend of new 4 months is:	orders in the last	Sept. June-	Aug. May- %		Mar - E	ing. Durables Stores lect. Consumer % % %
	Up	53	23,	52	<del></del>	71 55 32
• • • • • • • • • • • • • • • • • • • •	Same	16	20	22	22	5 12 17
_ f.e.e	Down		15	- 78	· 14 /= -	24 4 323
	No answer	. 16	12	8	9	<b>— 29 .28</b>
PRODUCTION	/SALES TURNOVER	4	monthly	moving	total	September 1977

PRODUCTION/SALES TURNOVER	. 4	monthly	moving	total	··· Se	ptember	977
Those expecting production-sales turn- over in the next 12 months to:	Sept. June-	Aug. May-	luiy Apr			Durables Consumer	
Rise over 20%	3	2	2	2 -	2::	s: (1 <del>1 =</del> 1.37	~ 74
Rise 15-19%	3	.5	5	6	ī	<del>-</del> ::	2
Rise 10-14%	:15	17	19	23	27	73	<u>. Т.</u> ,
Rise 5-9%	38	32 ,	28	26	61	17	34
About the same	33	38	40	37	==:	*. · : <u> </u>	-42
Fall 5-9% ·	·:-		_	1			-43
No comment Fall over 10%	8		- 6	<u>-</u>	11	70	-

45

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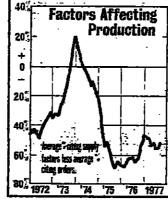
### Capacity and Stocks

### Shortages are re-emerging

ALTHOUGH order flows are still the dominant factor determining the rate of output, there has been a tendency for slightly fewer firms to mention home orders and slightly more to mention export orders. At the same time, supply factors are beginning to feature more prominently.

The three principal areas of concern in recent months have been the availability of skilled factory staff, production capacity, and labour disputes. All three were widely cited again last month, particularly in electrical engineering and the cars and consumer durables

CAPACITY WORKING



shortages of and those on standard rates.

4 monthly moving total

electrical components, such as capacitators and integrated circuits, other vehicle components, and new cars from Manufactured goods over the next 12 suppliers suffering from labour months will: Several companies say that

the narrowing of differentials brought about by the last two years of pay restraint has contributed to the shortage of skilled factory staff as well as in some instances, causing a deteriorization in attitudes. One particular consequence of pay restraint has been the creation "unwanted differentials The latter sector was also between those on piece-work

September 1977

				. · <u>·</u> .		·			
FACTORS	CURRENTLY	AFFECTIA			TION moving	tetal			
			June- Sept.	Мау-		Mar June		Consume Durables	- u 5
	Home	orders	75	82	85	81 .	76	49 -	34
	Export	orders	51	52 ₋	49	44 :	96	60	12
	Executiv	e staff	75	79	21	26	31	1	5
	Skilled factor	y staff	29	. 23	22	19	81	51	213
	Manua) I	abour	4	6	4	4			
•	. Сопъ	onents	4	2	4 .	- 4	6 -	44	11-
	Raw ma	terials	13	70	12	- 12	5	1	Ž5
Pr	roduction capacity (	plant)	17	11	15	6	74	27	23
	F	inance	2	-	1			<del></del>	,11
		Others	9	8	8	7	2	<del></del>	. 34
	J shows die		70	10			— <u> </u>	<del></del> -	<del></del>

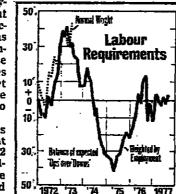
### **Durables Stores** Above target capacity 10 35 Planned output 69 41 72 72 69 Below target capacity 15

### INVESTMENT AND LABOUR

# Little prospect of extra jobs

THE OUTLOOK for employment and capital investment remains unchanged. The electrical engineering sector has revised its expectations downwards on both scores since the May survey, but the changes there were more or less offset by opposite tendencies in one or other of the ether two

sectors. For employment there seems ittle prospect of a significant increase during the next 12 months. Over balf of the allindustry sample expect to make do with about the same sized labour force as now, while the "ups" among the remaining



firms are more or less cancelled out by the "downs." In the case of capital spending, on the other hand, the underlying trend is upwards. Just under half of the total sample still expect to spend next 12 months.

Of the various reasons given for not taking on extra manpower, the three most widely mentioned were lack of demand, the need to increase efficiency and reduce costs, and the difficulties created by the recent spate of employment protection legislation — in that

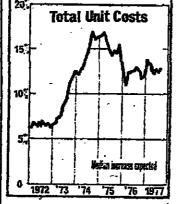
		10	11	13	23	J.5	_
No answer/no factor	4	5	6	6			°æ(g
LABOUR REQUIREMENTS (Weig		y <b>emp</b> monthly			Se	ptember	1927 =
Those expecting their labour force over the next 12 months to:	june- Sept. %	May- Aug: %	Apr July %	Mar june %	Elect. Eng. %	Consume Durable	Stores
increase	24	18	. 20	20	7	43	39
Stay about the same	55	62	62	57	- 66	57	
Decrease	-21	- 19	18	23	27		47

### more in real terms during the CAPITAL INVESTMENT (Weighted by Capital Fynenditure)

AUTTION THE ATTORNEY (MANDE					16)			
<del></del>	4 monthly moving total September							
Those expecting capital expenditure over the next 12 months to:	june- Sept.	May- Aug. %	Apr July	Mar june %	Elect. Eng.	Consumer Durables		
increaseen volume	44	46		59	37	66	42	
Increase in value but not in volume	11	· 10	6	6	3	4	11	
Stay about the same	14	12	13	12	53	— <u> </u>		
Decrease	27	30	27	22			8	
No comment								

### COSTS AND PROFIT MARGINS

### Inflation in double figures

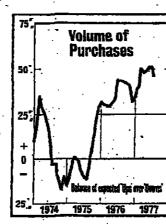


now risen to 12-13 per cent, as against only 7-8 per cent. this time last year.

for total unit costs and for output prices remains little changed, however, at about 13-14 per cent. The declining rate of inflation in material costs is

MOST COMPANIES do not ex- the electrical engineering and FT-Actuaries' Index, which pect to see a wages explosion the stores and consumer ser- accounts for about 60 per cent. in the next 12 months, but they vices sectors being rather less of the turnover of all public also see little chance of the rate bullish than in the May survey. companies. The weighting is by of increase in output prices These surveys, which are car-market capitalisation, save ried out for the Financial Times where an alternative method of Following the Chancellor's by the Taylor Nelson Group, are weighting is cited.

higher figure. As a result, the from a sample based upon the Taylor Nelson and Associates.



settlements and the TUC con- with top executives about their four-monthly moving totals, ference, more firms have felt companies' situation and pros- covering some 120 companies in 11 industrial sectors (mechani-

		4	30	. 41	11	_		87
	No comment	4	2	2	ī	7	30	<u> </u>
COSTS		4	monthly	moving	total	So	ptember	1977
Wages rise by:		June- Sept. %	May- Aug.	Apr. July	Mar June %	Elect. Eng.	Consumer Durables	Stor#
	0-4%		<u> </u>		-: <u></u>	-		
	5-9%	13	17	18	18		<del></del>	23
· · · · · · · · · · · · · · · · · · ·	10-14%	53	44	39	. 40	· 57	61	— <del>- }</del> 45 €
	15-19%	14	10	7	4	-;31	- 4	71
	20-24%	2	Ž	. 2		_	· -	
	25-29%	3	7	1		<del></del>	<del></del>	
	No answer	.17	26	33	38	12 -	. 35	1
Unit cost rise by:				2	<u></u>	<del></del>	. ::	7
	0-4%	3	- 3	2				
	5-9%	11	75	14	14	24		
	10-14%	30	48	49	55	58 .	64	46
	15-19%	22	79 '	21	14	18	2	18 -
	20-24%	4	4 😅	5	5	_		
	25-29%		<del>-</del> :			<del></del> .	,"	
•	No answer .	. 70	17	9	12		34	36

والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع وا				·		<u> </u>	
PROFIT MARGINS	4	monthly	moving	total	S	ptember 1	977
Those expecting profit margins over the next 12 months to:	June- Sept.	May- Aug.	Apr July %	Mar june	Elect. Eng.	Consumer Durables	Stores %
Imprave	48	47	48	52	32	34	65
Remain the same	. 33	35	32,	- 36	-30		12.
Contract	14	14	14	73	2	- 4	
No comment	5	4	4	5	36/		

	BOOKING3 04 01-330 9991
THEATRES  ADELPHI THEATRE 01-836 7611.  Brus. 7.30, Mars. Thurs. 3.0, Sans. 4.0.	QUEEN'S THEATRE, 01-734 1165. Evgs. 8.0. Sat. at 6.50. Wed. Mat. 3.0. ALEC GUINNESS in THE OLD COUNTRY A New Pier by ALAN BENNETT Directed by CLIFORD WILLIAMS "Britiantly without and brilliantly delivered," Financial Times.
ADELPHI THEATRE. 01-836 7611.  Bigs. 7.30, Mars. Thurs. 3.0. Sats. 4.0.  "LONDON'S BEST NIGHT OUT  SPECIACLES CAPTIVATING TUNES  AND RACY COMEDY." People.  "SLICK, SUMPTIFEME MUSICAL  IRENE HAS EVERYTHING. D. EXDRESS.  INSTANT CONFIRMED CREDIT CARD	RAYMOND REVUEBAR CC 01-734 1593 At 7 p.m., 9 p.m., 11 p.m. (opens Sal.), PAUL RAYMOND presents THE PESTIVAL OF EROTICA Fully AIR-CONDITIONED. You may
ALAPAN STATEMENT	REGENT, 323 2707, Evenings 8. Friday
Mass. Thurs. 3.00. Sats. 5.30 and 8.30. DESORAH KERR DENIS QUILLEY  "TWO MASTERLY PERFORMANCES," Berard Levin, Sunday Times. CANDIDA' Berard Series Not To Succuse TO CANDIDA'S SPELL" Daily Mall. Directed by Michael Bistemare	, <del></del> -
	ROUNG MOUSE. 27 2564. ALBERTO Y LOS TRIOS FARANCIAS IN SLEAK! the snull rock musical. "The funniest show I have seen in years," Gds., Opens Tomor. 8.30.  ROYAL COURT. 7.30. 730 1745. Previews from Wed. 7.30. Opens October 10 at 7 in The Good Woman of Setzuan.
ALDWYCH, 836 8404, Info. 838 8322.  ROYAL SHAKESPEARE COMPANY In repertoir Tonight, homor, 7.30  ROMEO AND JULIEY "compelling production." D. Express. With: Ibsen's FILLARS OF THE COM- MUNITY (Wed. m & e). A MYDSURMMER RIGHT'S DREAM (TRUES), TROILUS AND CRESSIDA (Fri Sat. m & e). RSC also at The WAREHOUSE see under w) and at Piccadilly and Sevoy Theatres.	The Good Woman of Setzuan.  ROYALTY. 405 8004  Monday-Thursday, Evgs. 8.00, Fri., 5.30 and 8.45. Set. 5.00 and 8.00, Fri. 5.30 BILLY DANIELS IN Broadcay's Smash hit Musical EURSMANN SUGAR
AMBASSADORS. 836 1171. Evenings 8. 543. 5.30 and 8.30. Mat. Tues 2.45. Broadway's Hilarious Musical Whodonit SOMETHING'S AFOOT	Breedway's Smash Hit Musical Eventling Brown Sugar
High octains hilarity perfect family show. S. Express. "Envirous salety. I loved every diff minute of it." D. Mir. "Chock full of genuine conte business. F. Times. "Exuberance abounds." S. Ness. Denner and Top Price seat 27:30 inclus.	in SHAW'S MAN AND SUPERMAN directed by CLIFFORD WILLIAMS. "I. szt in a cloud of loy from bedming to end," S. Timea. RSC 2150 st Aldwyth and Piccadilly Theatres.
APOLLO.  Everings 8.00. Mat. Sat 3.00.  "Comedy lives" with gMLYN WILLIAMS D. Telegraph as SAK! "I have nothing but praise for Mr Williams's delighting performance." E. News.	SPAFTESBURY, MA NEAGLE AMA Sharter Peter Gale in MAGGIE A mostest version of J. M. Barrie's "What Feery Women Knows." Prevs. from 7th Oct. at 2.00. Open 12th Oct. at 7.00. SPECIAL GALA PERFORMANCE In aid of RAF ASSOCIATION TUE., 11th Oct. at 8.00, BOOK NOW.
CAMBRIDGE CC. 01-836 8056. Mon. to Thurs. at 8.00. Fr. Sat. 5.45. 8.30. PP TOMB! "PULSATING MUSICAL" Evg. News. 2nd GREAT YEAR Seat prices \$1.50 to \$4.50. Dinner and top-price seat \$7.75 incles.	STRAND. 01-835 2660. Evenings 8.00. Mat. Thur. 3.00. Sats. 5.30 and 8.39. NO SEX PLASS THE WORLD'S GREATEST LAUGHTER MAKER
Dinner and too-errice seat 27.75 incles.  COMEDY. 01-930 Z578. Evenings 8.00. Mats. Thurs. 3.00. Sats. 5.30 and 8.30. Winner of all 1975 Awards. Sest Play of the Year SIMON GRAYGED Directed by Harold Pinter	THE WORLD'S GREATEST LAUGHTER MAKER  ST. GEORGE'S FILZABETHAN THEATER, TUTNEL PERC. STO. 730. SM. Mat. 230. THE MERCHANT OF VENICE "confidently recommended." Fin. Times. Sox Office 91-609 1198
	"Confidently recommended." Fin. 1 mes. Sex Office 01-609 1198  ST. MARTIN'S. CC. \$35 1443. Ers. 8.00. Mati. Tuesday 2.40. Saturday 5 and 8. AGATRA CHRISTES THE MOUSETRAP WORLD'S LONGEST-SYER RUN 2.5th YEAR
CRITERION, S. S. S. S. S. S. O. 1-930 3216. Evgs. at 8. Set. 5.50. S. 20 Thurs. 2.00. "Impaccable o market." Sun, Times. "HILARICUSLY FUNNY." N. of World.  DRURY LANE. 836 8108. Evgs. 5.00. sharp. Matines, Wed. and Set. 3.00. "VOTED 8551 MUSICAL OF 1976."	WORLD'S LONGEST-EVER RUN ZERN YEAR TALK OF THE TOWN. CC. 734 5051. 8.15. Dining-Darring 9.30. Super Review RAZZIE DAZZIE and at 15 D.B. KAMAHL
"VOTED BEST MUSICAL OF 1976"  BUCHESS. 836 8243. Evgs. 8.00. Fridays and Saturdays 6.15 and 9.00. Of CALCUITA! The Nucley is Sanning." D. Teegraph. 8th SENSATIONAL YEAR	TH. UPSTAIRS. 730 2554. Eves. 8.
Sth SENSATIONAL YEAR  DUNE OF YORK'S. 01-836 5122. Opens Thr. at 7.00. Sets. 6.00. Wed. Mat. 3.00. Sat. 5.00 and 8.15. ROY DOTRICE NOTE DAWN PORTER ANTHONY ANDREWS THE DRAGON VARIATIONS A New Play by Robert King Red. Price Preview Int. at 8.0.	YAUDEVILLE. CC. 836 9988. Evgs. et 8. Mats. Tures. Z.45. 5at. 5. 8. Dinah Sheridan. Duicle Grav. Elasnor Sommerheid. James Grout A MURDER IS ANNOUINCED by AGATHA CHRISTIE "Re-enter Agatha with another who- dunit hir. Agatha Christie is staiking the West End yer sight with another of later sendishly ingentious murder mysteries." Evg. News.
ELE et LUI. CC. 01-437 2561. Walker's Court. Brewer Street. W.1. TWICE Mightly 8.15 and 10.15. PAUL RAYMOND presents	VICTORIA PALACE. CC. 01-834 1317. ModFri. Evgs. 8.00, Srt. 6.0 and 8.45. INGRID FITT. NICK TATE. BUNICE GAYSON. TIM BARRETT DOOR TOTHER TO DARSS A New Comedy by NEVILLE SIGGS
graphy. "Good-looking men and worsden perform various permutations of the sextal act." Evening News. You may drink and smoke in the auditorium.	WARSHOUSE. Donmar Theatre. Covent Garden. 835 5808. ROYAL SHAKESPEARE COMPANY Trinight. Torsor. 8.00. Brecht's SCHWEYK. "A loyful play." The Times. All seats \$1.30. Advance bloss. Aldovich Th. Skats day of perf. Aldovich until 5.30 then Warehouse. Students £1 day of perf. from Warehouse.
FORTUNE, 836 2238. Mon. to Pri. 8.00. Sat. 5.00 and 8.00. Mats. Thurs. 3.00. AGATHA CHRISTIE'S MURDER AT THE VICARAGE Third Great Year!	
GARRICK THEATRE. 07-836 4801. From Tomor. Evgs. 8. Set. 5.15 and 8.30. MAGGIE FITZGIBBON GAY SOPPER DAVID FIRTH and ROBIN RAY in the "SRILLIANT MUSICAL EXTERNATION OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF T	WESTMINSTER. 834 0283. Evgs. 8. Sats. 5.30 and 8.15. Mat. Wed. 3. Sats. Mat. Wed. 3. JOYCE HERON. JULIAN HOLLOWAY Classic Content to filler for all the family Condon's templest revival WHITEMALL CC. 01-930 6692-7765.
"GO TWICE." S. Moriey, Punch. "GO THREE TIMES." S. Barnes, NYT.  GRIENWICH THEATRE. 858 7758. Evenings 7.30. Mat. Sat. 2.30. BAR-BARIANS. by Barry Keefe. The Punk	WHITEHALL CC. 01-930 5692-7765. MOR-Fri. Eys. 3.15. Sat. 7.0 and 9.0. FIONA, RICHMOND "Incredible acting talent." E. Std. "DIVINE a performance of outrageous splendour. D. T. in THE OUTPER CO. T. Should have upstagling everything in algorit." F.T. and HIGH POWER CAST. Should have Mary Whitehouse reshing to the barricades to protect the purity of the pation,
Trilogy comprising Killing Time. Abide With Me and In the City.  HAYMARKET. 930 9812. Evgs. 7.45. Mat. Wed. 2.30. Set. 5 & 8.15. Last 2 wits Goople WITHERS. BILL FRASER. Chilstopher GABLE. Lenny CILLAY E.	Mary Whitehouse rushing to the barricades to protect the purity of the pation.  WINDMILL THEATRE, CC. 437 6312.  Twice Nighty at 8.00 and 10.00.  PAUL RAYMOND presents
HAYMARKET. 930 9812. Evgs. 7.45. Mat. Wed. 2.30. Set. 5 & 8.15. Lest 2 wks. Google WITHERS. BILL FRASER, Chistopher GABLE, Jenny QUAYLE Somerset Maugham's famous comedy. "Faulifestly acted worth going miles to see," Herbert Kretomer. Daily Express.  MAYMARKET. 950 9832.	WINDMILL THEATRE, CC 437 6312. Twice Nightly at 8.00 and 10.00. PAUL RAYMOND presents RIP OFF THE EROTIC EXPERIENCE OF THE MODERN ERA "Takes to unpresented limits what is permissible on our stage." Evg. Nows. You may smake and drink in the Auditorium.
	WYNDHAM'S. CC. 836 3028. Transfers from Royal Court Theatre tomor. at 8. Subs. Mon. Thu. 8. Frl. and Sat. 5.15 and 8.30  "ENORMOUSLY RICH. VERY FUNNY." Times. Mary O'Mailleys smish-hit comedy ONCE A CATHOLIC "Sure-fire comedy of 52x and religion."  Oully Telegraph.
IER MAJESTY'S. 01-930 5605.	
LEE HELEN MONTAGUE LINDSAY IN TERENCE RATTIGAN'S	YOUNG VIC (near Old Vic), 928 6363. Ton't, 7.45 Ken Campbell's new show THE AWESOME WORLDS OF HENRY PILK

MONTAGUE LINDSAY
in TERENCE RATTIGAN'S
- RATTIGAN REVEALS HIS MASTERY.
S.T. "A powerful drame." E.N. "Givel
Johns plays brilliantly." D.T. AYFAIR THEATRE. 01-629 3036-493 Magnificently acted," Guardian. Evgs 115. Sec. 6.00 and 8.45. CAMDEN PLATA. Camden Wigh St., NWT (60P), Camden Town Tube), 485-2443. Marguerite Durary INDIA SONG (A). 4.10, 6.25. 8.45. TILL 12 OCT.

DEON. Marble Arch. (723 2011/2.) A BRIDGE TO FAR (AL Ses. pross. Wk. 3.00. 7.45. Advance booking 7.45 perf. Mon.-Fri. Both perfs. Sal. and Sun.

SCENE 1 & 4, tak. Sq. (Wardoor St.).
439 4470.
SCENE 1: THE STREETWALKER OC.
Pross. 1.20, 3.25, 5.25, 7.30, 9.30,
take show Fri, and Sat. 11,35,
SCENE 44 The Original EMMANUELLE
OO, Props. 1.05, 3.40, 6.15, 8.50, Late
Show Fri, and Sat. 11,25. ade ticients!: Many excellent cheap seets all 3 theatre day of perf. Car park, Restaurant 92: 2033, Credit cd. bkgs, 928 3052.

PALACE. 01-437 6834. JESUS CHRIST SUPERSTAR MON.-Thurs. 8.00. Fri., Set 6.00, 8.40.

**ART GALLERIES** 

declining to single figures.

themselves able to hazard an pects.

The median forecast increase

expected to be heavily offset by the higher level of wage costs. Profit margins are also expected to remain largely unchanged. But the indicator for pre-tax earnings on capital employed has dropped back quite sharply this month with both

statement on post-Phase 2 pay based upon extensive interviews The all-industry figures are

estimate for wage costs over the Three sectors and some 30 cal engineering is surveyed next year and more of them, too, companies are covered in turn every second month). Complete are plumping for a somewhat every month. They are drawn tables can be purchased from

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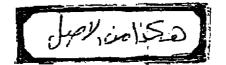
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### FT: Monthly Survey of Business Opinion

# **Industry expects 12-13%** rise in wage costs

settlements will average out at in the economic situation have veyed in the past four months a level somewhat higher than helped to sustain business confi- expect to spend more in real the Government's target of a dence. But the rate of recovery terms during the coming year. national earnings increase of 10 in demand and output is still

cent,, while the median forecast reasons widely cited for not remained relatively high. increases for total unit costs and taking on extra manpower.

INDUSTRY DOES not expect a output prices are both in the Industrial investment should wages explosion in the coming 13-14 per cent range.

continue to grow, however.

months. But it believes pay

Recent signs of improvement Nearly half of the firms sur-

The recovery in pre-tax earnper cent. slow. Ings on capital employed has in next years runance on.

Companies also see little As a result, there is little suffered a check as a result of the rate of increase prospect of a rise in total emthe latest survey. Both electrical the pact between the Government output prices falling to single ployment during the next 12 engineering and the stores and ment and the Liberal Party, means that there could be a This emerges from the latest make do with about the same rather less bullish than when Financial Times monthly survey size labour force as now. The they were surveyed in May. of business opinion published need to increase efficiency and In the other sector covered in industry. reduce costs and difficulties last month-cars and consumer The median forecast increase created by recent employment durables-expectations about for wage costs is now 12-13 per protection legislation are other earnings on capital employed tive Party's employee-participa-

CAPITAL INVESTMENT  Those expecting earnings during turrent year to:	4 monthly moving total				September 1977		
	June- Sept.	May- Aug.	Apr July %	Mar June %	Elect. Eng.	Consumer Durables %	
Improve	54	· 63	63	61	55	79	8
Remain the same	15	10	71	7.3	. 9	15	· 69
Contract	20	18	16	11	-	. 6	23
No comment	11 _ G. Stat	9 istical M	10 laterial	S	36 - Taylor	Nelson G	roup Lt

# CBI optimistic about Government prices target

BY JOHN ELLIOTT, INDUSTRIAL EDITOR

December.

The CBI is also cautiously in price rises is tempered by the SBI's data bank, the trend in optimistic about the trend of pay incertainty about wage negotiations in recent weeks, although its overall view of the country's conomic situation is

FRE-TAX profits of the 141

during September were 44.3 per cent up on the comparable year

The rise brought the average prease over the third quarter

respectively were

The cost of dividends was up quarters

the year to 36.3 per cent.

arhieved in the first and second Recil International recorded the biggest individual pre-fax profit rise at 1707m., compared with 2074m, the previous year.

while Pilkington Bres, attained an \$1.3 per cent, rise from £34.6m, to £62.7m. Other com-

companies issued full reports and accounts

profits up 44.3%

AN OPTIMISTIC forecast of the policy, and provide the Govern- guidelines," say the CBI. likely trend in price rises for ment with heartening news about. "But retail prices, as well as the rest of this year is issued the likely trend in prices, re-wholesale prices, are now dethis murning by the Confedera- inforcing the results of other celerating and by December the Uon of British Industry, which forecasts and surveys. Only 12-month increase could be less says that the Government's about half the companies in the than the 13 per cent, forecast target of a 13 per cent, annual survey expect to raise their by the Chancellor in July; and raise for increases might be met prices in the next four months, while there have been a good or even improved upon by the lowest number for 4! years, many high pay claims notified to Paccinher.

gage in development of the pay to the Government's 10 per cent. 1978."

PRE-TAX PROFITS

**DIVIDENDS** 

1976

1975

ween September 5-21. chances of average earnings over could grow at somewhat more. They are published at a key the year to next July being near than the trend rate through

### Industrial company Another rise in reserves

BY MICHAEL BLANDEN

the U.K.'s official reserves will be announced to-morrow, it is

Sterling has remained in

demand during the past month in spite of the renewed down-ward trend in the level of short The Bank has continued to

hold sterling down in the exchange markets and to take in currency for the reserves. in currency for the reserves.

The value of the pound against
a basket of other currencies as measured by the trade weighted index ended the mooth as it started at 62.3.

### for the third quarter of the year limit included. Dowty Group to just over 17 per cent, which (15.8 per cent.) and Reed intercompares with the respective national (17.3 per cent.) eather U.K. TO-DAY

panies to record profit increases of about 30 per cent, or more 23.7 per cent, and 17.6 per cent included BET and Douly Group, rises in the first and second

19 per cent, on the previous year. Companies to report dividend bringing the average increase increases above the 10 per cent.

Sunny spells, some rain. London, Cen. S., Cen. N. England. E. Midlands Sinny spells, becoming cloudy, Rain later, wind variable to S light. Normal, Max. 16C (61F).

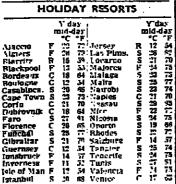
S.E. E., N.E. England, E. Anglia Supply spells, isolated coastal

BUSINESS CENTRES

HOUDAY RESORTS Rotzin IP: USED Laver In SL

showers dying out. Cloudy later.
Normal. Max 16C (61F).
W. Midtands, N. Wales, N.W.
England, Lake District, Isle of
Man, Scotland, N. Ireland
Bright spells, cloud and rain
spreading from W. Normal. Max.
15C (59F). Channel Islands, S.W. England

S. Wales occasional Cloudy, occasional rain. Normal Max 16C (61F). Outlook: Unsettled. Outbreaks of rain Bright intervals.



Continued from Page 1

the Anglo-American package as a basis for further negotiation Dr. Owen in his interview said be felt that Mr. Smith had got very close to "accepting that universal suffrage is necessary to end the violence" end the violence."

The Foreign Secretary thought Mr. Smith was beginning to accept that the tricky question and his own forces. The reaction of white Rhode-

meeting was one of bewilder-ment The Rhodesian Sunday Mail said that Rhodesians were becoming confused by the two Mr. Smiths. On the one hand there was the man who had been "exuding syectness and light" in tolevision intervious and in in television interviews and in the quickest type of stimulus to He stressed the Government's going to meet Dr. Kaunda. employment was through cutting determination to do all in its On the other hand, there was the man who said last week that Rhodesians would rather fight to industrial costs and it was made protect the interests of

# **Profit-sharing** companies may gain tax relief

BY JOHN ELLIOTT, INDUSTRIAL EDITOR

employees will, it is expected, be suggested in a consultative document to be published later this year by the Treasury. The document will outline possible legislation that could be included

sible plank from the Conserva- incomtion proposals for the next Green Paper general election.

Even without any new legisla-tion, a growing number of com-panies, including clearing banks and large retailing concerns, have recently been preparing share incentive schemes for their

senior executives.

All employees would have to have equal rights to a share in the profits for the tax advantages, which might apply to both ages, which might apply to both opposition to the Government's opposition to the Government's opposition to the composition to t

sharing it favours.

TAX ADVANTAGES for com-range of options from a straight panies introducing profit-sharing cash handout to the allocation of schemes covering all their shares which have to be held by

The money available can either figures are announced to be fixed unilaterally each year morrow, conveniently timed for

Normally, there is little trade

But until fairly recently there has been little general interest

While no details of the Gov. into shares, which some union erument's consultative document leaders regard as a back-door

ings do not usually provide any direct worker-power in the Boardroom.

But despite these reservations.

income-tax and capital gains tax, ideas, even though its own policy to apply.

What is far from clear is how profit-sharing should be based specific the Government intends on collective rather than indi-to he about the sort of profit-vidual ownership. in schemes at haring it favours. least partly controlled by the The term embraces a wide unions.

# Efficiency survey country's economic situation is tempered by cloomy prospects for overseas trade. It preports that while export demand remains fairly buoyant, an increasing number of companies are talking in terms of an erosion of competitiveness for expect of the recent their products abroad and reporting that their expert order books are below normal. Those results concrete in the CBI according to the CBI according technique and increased and on surveys of over 2.009 manufacturing companies between 15 and 30 per cent. It is not yet possible to draw conclusions about how easily employees can thus trained to the companies of the control of surveys of over 2.009 manufacturing companies between September 3-21. These results concrete in the control of the possible to draw conclusions about how easily employees can be seven September 3-21. These results concrete in the control of the possible to draw conclusions about how easily employees can bring these claims down to settle manufacturing companies between September 3-21. These products are talking in terms of an improvement on a preponderance of claims of the city's recent cheer to the rest of the economy. On the possible to draw conclusions assumption that pay rises are indicated in the control of the control of the control of the control of the possible to draw conclusions assumption that pay rises are indicated in the control of the control of the control of the possible to consider whether any changes are needed in the way in which the stock market conducts its business. The efficiency of the present

The efficiency of the present announced by Mr. Nicholas obber-broker system and the Goodson chairman of the Stock procedures for dealing with Exchange at one of his regular procedures for dealing with exchange at one of his regular overseas and international securiles are expected to be among of London firms last Thursday.

the main topics which the committee will consider.

The committee, which will about 12 members, have not yet
probably be headed by Mr. John game out.

### U.S. may put temporary curb on Japan steel

WASHINGTON, Oct. 2. TEMPORARY QUOTAS to rurb Sheet and Tube is to close, an

be announced to-morrow, it is expected, following the continuing strength of the pound over the past month.

Some City estimates suggest that the figures could match the S1.4bn. rise recorded in August which took the total to a record figure of S14.85bn.

TEMPORARY QUOTAS to rurb Sheet and Tube is to close, an imports of steel from Europe and Ohio plant employing 5,000 Japan are being considered by people, this caucus has increased the U.S. Administration as a way its pressure markedly. of "hosing down the protectionist fires in Congress." Mr. ration nor most private analysts Robert Strauss, U.S. special trade believe that imports are the representative, disclosed this only, or even the most imported figure of S14.83bn.

He said soon after returning industry's problems Administration as a way its pressure markedly. He said soon after returning industry's problems. Adminis-from Brussels that these tem-tration officials believe that the

porary quotas might be similar short-term problems of steel to the "orderly marketing agree have been exacerbated by ments" already reached with imports. Japanese television makers and It is thus possible that the some foreign shoe manufac Americans may single out the turers. They are among several Japanese and seek to negotiate options being considered by an a voluntary agreement with inter-agency committee of the them along the lines of the one Administration. Its existence was last year between the EEC and

made known by President Carter Japan. last week. Formal The committee is not due to restrictions would be flercely report for some months, but Mr. opposed by the Administration. Strauss noted that the pressure which has been determined to from Congress for immediate head off protectionist pressure action was already "very tough." whenever possible.

A special Congressional steel Congressman Charles Vanik, caucus has been formed with a of Ohio, a leader of the steel

membership of 100 congressmen caucus, issued a thinly veiled and 25 senators. Since the warning this week-end about the aunouncement that Youngstown action Congress might take.

### Healey's intention

of law and order could be intend to ask the IMF to re-tion will continue to depend on resolved only by direct talks negotiate the terms. the modesty of wage settlements between the "liberation forces" But the Chancellor added that will not so down well with unions.

The reaction of white knodesians to the news of the Lusaka year's spring Budget.

As part of his attempts to to speak in to-day's debate.

Mail said that Rhodesians were tax cuts rather than a reduction becoming confused by the two in value added tax or the percent, would restrict the scope for earnings above 10 percent.

ing collegs on money supply and The Chancellor's blunt decla-domestic credit. He did not ration that the scope for refla-intend to ask the IMF to re-tion will continue to depend on discussions to adjust the ceilings leaders, including Mr. Moss might be possible before next Evans, general secretary designate of the TGWU, who intends

reversal of public spending cuts for a stimulus from the Govern-the Chancellor pointed out that ment.

taxes. power to prevent pay settlements. This did not increase prices or above 10 per remi. in order to the death than he subjected to easier for people to accept lower majority prepared to settle for "terrorist outrages." wage settlements. THE LEX COLUMN

# The stock market and sterling

No doubt the will be happy to bask in the glory of another huge rise in the official foreign exchange an employee for a number of the official foreign exchange years before they can be cashed, reserves when the September by management or can be tied to the profits or productivity of a whole company or an individual large reserves is that there are no longer such strong excuses the pact between the Government and the Liberal Party, union involvement in such means that there could be a sharp increase in the number of profit-sharing schemes introduced in industry.

It would also remove one possible plank from the Conservaexchange rate and by currency inflows of the kind that have helped to send the gilt-edged The Conservative Party has market through the roof. How produced a Green Paper on the might the markets now respond Freeing the exchange rate is, are now units the markets now respond produced a Green Paper on the might the markets now respond however, only one of the Gov. all accounts, 1978 should subject and the CBI has an inter- to any changes which could be however, only one of the Gov. all accounts, 1978 should be subject and the CBI has an inter- to any changes which could be however, only one of the Gov.

employees both as a way of rewarding productivity and increase
due to a mixture of disinterest the freeing of the exchange rate
ing worker-involvement in his and opposition from trade unless that the steam out of the gult- and most brukers are form warding productivity and increasing worker-involvement in his company.

But, according to the Wider Share Ownership Council, there are still only about 100 schemes in the U.K. each involving as little as 10 per cent, of the cmployees involved. On the other basket "situation.

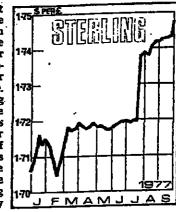
In addition, it can mean that allocous basket schemes for senior executives alone.

While no details of the Gov. already had a glimpse of the probably not have any great the rate of average cir impact of a stronger currency affect on the securities margrowth should boost coast on reported profits, while the transfer of the securities margrowth should boost coast on reported profits, while the transfer in the transfer of the profits of the transfer of the profits of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the transfer of the trans have yet been settled, it is fairly version of wage restraint.

Finally, there is union opposite against its tax concessions being applied for schemes limited to applied for schemes limited to direct worker-power in the content of a stronger currency and a stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and the stronger currency and least partly on foreign buying. tall chunk of investment can be much would depend, of assets presumably develop-

> now, with foreigners believing the rate would have to go up Retail profits is complete the capital inflows. This time a year ago, the discounting a pretty impri

and which is already starting to in the coming months.



market is expecting MLR to last year they were unifor

fall this week. Freeing the exchange rate is, are now quite the opposi nal working party studying the forced upon the reluctant inflows could appear more volumes. Brokers Scott Earlier in the year it could attractive to the bureaucratic Hancock, for example, are

course, on how any upward assets. Presumably develop which has been fuelling float were managed. An inadequate. niggardly adjustment
might leave conditions much as
now, with foreigners believing

largely cease and the retail sector was shrouded in profits performance next securities markets will again be gloom. Consumer spending was dependent on domestic forces. under severe pressure, infla- the retailing sector's in One short-term risk would be tion was accelerating and sales profits season and the ri of extensive profit-taking. But volumes were sinking lower should give some ide more fundamentally there and lower. The 1977 profit out whether the sector can its would be scope for a shift in look seemed far from rosy and to the market's option interest rate policy away from few were brave enough to expectations. The tight the exceptionally steep yield argue that the FT-Actuaries II curbs on wage increase curve which the authorities stores index would be capable widely expected to have have contrived in recent months, of forging ahead of the market the retailers' profit me

significantly. There But this, in fact, is just what they can expect little belt would no longer be such a has happened. Over the past 12 this direction and eq powerful case for low short months both the FT food costs are likely to rise term interest rates, although retailers and stores indices rapidly than prices. reduced: inflationary expects have more than doubled So long as the expects tions might justify a further against a two-thirds rise in the turn in volume shows the easing of rates at the long and FT-500 share index and the the retailers should be has been far hold their manueuvres to prevent a drop better than many dared hope, to foresee the buoyantin Minimum Lending Rate last For 1977 as a whole retailing performance which with

an increase of perhaps a firm industrial profits. industrial profits.
This is no mean achieved given that retail sales volum currently nearly 2 per a down on last year and reals sumer spending is schedule (all by close to 1 per cent) year. Clearly the secret of year. Clearly the secret of success has been in the retail cost equations, with retail inflation rising nearly twice fast as operating costs and resultant improved man drop in volume.

But the analysts mesmerised by the outlook retail sales volume and was pessimistic on this score

This week sees the sign



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